



**Free Questions for CPP by certscare**

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# Question 1

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**Question Type:** MultipleChoice

---

What will happen when you attempt to compile and run the code below, assuming that you enter the following sequence: one two three?

```
#include
```

```
#include
```

```
using namespace std;
```

```
int main ()
```

```
{
```

```
string a;
```

```
getline(cin, a);
```

```
cout
```

```
return 0;
```

```
}
```

Program will output:

### Options:

---

- A- one
- B- one two three
- C- runtime exception
- D- compilation error
- E- the result is unspecified

### Answer:

---

B

## Question 2

---

**Question Type:** MultipleChoice

---

What happens when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;
```

```
class B { int val;
```

```
public:
```

```
B(int v):val(v){}
```

```
int getV() const {return val;} bool operator > (const B & v) const { return val>v.val;} };
```

```
ostream & operator
```

```
template struct Out {
```

```
ostream & out; Out(ostream & o): out(o){}
```

```
void operator() (const T & val ) { out
```

```
int main() {
```

```
int t[]={20, 30, 10, 20, 30, 10, 20, 30, 10, 20};
```

```
deque d1(t, t+10);
```

```
sort(d1.begin(), d1.end(), greater());
```

```
pair ::iterator, deque::iterator > result = equal_range(d1.begin(), d1.end(), B(20),
```

```
greater());  
  
for_each(result.first, result.second, Out(cout));cout  
  
return 0;  
  
}
```

Program outputs:

### Options:

---

- A- 30 30 30 20 20 20 20 10 10 10
- B- 20 20 20 20
- C- 30 20 20 20 10
- D- 20 20 20 20 10
- E- 30 20 20 20 20 10

### Answer:

---

B

## Question 3

---

**Question Type: MultipleChoice**

---

What happens when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;
```

```
class B { int val;
```

```
public:
```

```
B(int v):val(v){}
```

```
int getV() const {return val;} bool operator
```

```
ostream & operator
```

```
templatestruct Out {
```

```
ostream & out;
```

```
Out(ostream & o): out(o){}
```

```
void operator() (const T & val ) { out  
  
int main() {  
  
int t[]={8, 10, 5, 1, 4, 6, 2, 7, 9, 3};  
  
deque d1(t, t+10);  
  
sort(d1.begin(), d1.end());  
  
set s1(t,t+10);  
  
cout  
  
B(4))  
  
return 0;  
  
}
```

Program outputs:

### Options:

---

**A-** 1 0

**B-** 1 1

C- 0 0

D- 0 1

E- compilation error

**Answer:**

---

B

## Question 4

---

**Question Type:** MultipleChoice

---

What happens when you attempt to compile and run the following code? Choose all that apply.

```
#include
```

```
#include
```

```
using namespace std;
```

```
int main ()
```

```
{
```

```
vectorv1(10, 3);
```



```
v1.push_back(3);
```

```
cout
```

```
return 0;
```

```
}
```

### Options:

---

**A-** program displays 4 4

**B-** program displays 10 3

**C-** size of vector v1 is 11

**D-** all elements of vector v1 are of the same value

### Answer:

---

C, D

## Question 5

---

**Question Type:** MultipleChoice

---

What happens when you attempt to compile and run the following code? Choose all possible answers.

```
#include
```

```
using namespace std;
```

```
class C {
```

```
public:
```

```
int _c;
```

```
C():_c(0){}
```

```
C(int c) { _c = c;}
```

```
C operator+=(C & b) {
```

```
C tmp; tmp._c = _c+b._c;
```

```
return tmp;
```

```
} };
```

```
ostream & operator
```

```
c
```

```
template
```

```
class A {  
  
    T _v;  
  
public:  
  
    A() {}  
  
    A(T v): _v(v){}  
  
    T getV() { return _v; }  
  
    void add(T & a) { _v+=a; }  
  
};  
  
int main()  
  
{  
  
    A b(2);  
  
    Aa (5);  
  
    a.add(C());  
  
    cout  
  
    return 0;
```

```
}
```

### Options:

---

- A- program will display:5
- B- program will not compile
- C- program will compile
- D- program will cause runtime exception

### Answer:

---

A, C

## Question 6

---

**Question Type:** MultipleChoice

---

What happens when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;
```

```
int main() {
```

```
int t[] = { 3, 4, 2, 1, 6, 5, 7, 9, 8, 0 };
```

```
vector v(t, t + 10);
```

```
map m;
```

```
for (vector::iterator i = v.begin(); i != v.end(); i++) {
```

```
stringstream s;s
```

```
m.insert(pair(*i, s.str()));
```

```
}
```

```
pair::iterator, map::iterator> range;
```

```
range = m.equal_range(6);
```

```
for (map::iterator i = range.first; i != range.second; i++) {
```

```
cout first
```

```
}
```

```
return 0;
```

```
}
```

### Options:

---

A- program outputs: 6

B- program outputs: 5 7

C- program outputs: 6 7

D- program outputs: 1 5

E- program outputs: 6 5

### Answer:

---

A

## Question 7

---

Question Type: MultipleChoice

---

What happens when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;
```

```
class A {
```

```
int a;
```

```
public:
```

```
A(int a) : a(a) {}
```

```
int getA() const { return a; } void setA(int a) { this->a = a; }
```

```
};
```

```
struct Even {
```

```
bool operator()(const A & a, const A &b) {
```

```
return (a.getA() % 2)==b.getA() % 2;
```

```
}
```

```
};  
  
int main () {  
  
int t[] = {1,2,3,2,3,5,1,2,7,3,2,1,10, 4,4,5};  
  
deque d (t,t+15);  
  
deque::iterator it = search_n(d.begin(), d.end(), 3, 2, Even());  
  
cout  
  
return 0;  
  
}
```

Program outputs:

### Options:

---

**A-** compilation error

**B-** 12

**C-** 3

**D-** 1

**E-** 15



**Answer:**

---

B

## Question 8

---

**Question Type:** MultipleChoice

---

What happens when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;
```

```
templatestruct Out {
```

```
ostream & out;
```

```
Out(ostream & o): out(o){}
```

```
void operator() (const T & val ) { out
```

```
};  
  
int main() {  
  
    char s[]={"qwerty"};  
  
    char t1[]={"ert"};  
  
    char t2[]={"ERT"};  
  
    sort(s, s+6);  
  
    cout  
  
    return 0;  
  
}
```

Program outputs:

### Options:

---

A- 0 0

B- 0 1

C- 1 0

D- 1 1

**Answer:**

---

C

## Question 9

---

**Question Type:** MultipleChoice

---

What happens when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;
```

```
void myfunction(int i) {
```

```
    cout
```

```
}
```

```
int add (int a, int b) { return a+b; }

int main() {

int t[] = { 10, 5, 9, 6, 2, 4, 7, 8, 3, 1 };

vector v1(t, t+10);

set s1(t, t+10);

deque d1;

d1.resize(s1.size());

transform(s1.begin(), s1.end(), v1.begin(), d1.begin(), add);

for_each(d1.begin(), d1.end(), myfunction);

return 0;

}
```

Program outputs:

### Options:

---

A- 0 0 0 0 0 0 0 0 0 0

**B-** 11 7 12 10 7 10 14 16 12 11

**C-** compilation error

**D-** runtime exception

**E-** 20 10 18 12 4 8 14 16 6 2

**Answer:**

---

B

## Question 10

---

**Question Type:** MultipleChoice

---

What happens when you attempt to compile and run the following code?

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;
```

```
class A {
```

```
int a;

public:

A(int a) : a(a) {}

int getA() const { return a; } void setA(int a) { this->a = a; }

bool operator==(A & b) { return a == b.a; }

};

struct Compare{

bool operator()(const A & a, const A & b) {return a.getA()==b.getA();}

};

int main () {

int t[] = {1,2,3,4,5,1,2,3,4,5};

vector v (t,t+10);

vector::iterator it;

A m1[] = {A(1), A(2), A(3)};

it = find_end (v.begin(), v.end(), m1, m1+3, Compare());
```

```
cout  
  
return 0;  
  
}
```

### Options:

---

- A- program outputs: Found at position: 5
  - B- program outputs: Found at position: 0
  - C- program outputs: Found at position: 7
  - D- compilation error
  - E- program outputs: Found at position: 10
- \*\*\* /

### Answer:

---

A

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