



Free Questions for CPP by go4braindumps

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Question 1

Question Type: MultipleChoice

What will happen when you attempt to compile and run the code below, assuming that you enter the following sequence: 1 2 3 4 quit?

```
#include
```

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;
```

```
templatestruct Out {
```

```
ostream & out;
```

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

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

```
int main ()
```

```
{
```

```
list l;  
  
while(cin.good())  
{  
    string s;  
    cin>>s;  
    if (s == "quit") break;  
    l.push_back(s);  
}  
  
for_each(l.begin(), l.end(), Out(cout));  
  
return 0;  
}
```

Program will output:

Options:

A- 1 2 3 4

B- 1 2 3 4 quit

C- 1

D- program runs forever without output

Answer:

A

Question 2

Question Type: MultipleChoice

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

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;
```

```
int main(){
```

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

```
vector v(myints, myints+10);  
set s1(v.begin(),v.end());  
s1.insert(v.begin(),v.end());  
s1.erase(s1.lower_bound(2),s1.upper_bound(7));  
for(set::iterator i=s1.begin();i!= s1.end(); i++) {  
    cout  
}  
return 0;  
}
```

Options:

- A- program outputs: 0 1 8 9
- B- program outputs: 2 3 4 5 6 7
- C- program outputs: 1 6 5 7
- D- program outputs: 3 4 9 8 0

Answer:

A

Question 3

Question Type: MultipleChoice

Which are NOT valid instantiations of priority_queue object:

#include

#include

#include

#include

#include

using namespace std;

int main()

{

deque mydeck;list mylist; vector myvector;

```
priority_queue first;//line I  
priority_queue > second;//line II  
priority_queue third(first);//line III  
priority_queue > fourth(third);//line IV  
priority_queue > fifth(myvector.begin(), myvector.end());//line V  
return 0;  
}
```

Options:

- A- line I
- B- line II
- C- line III
- D- line IV
- E- line V

Answer:

D

Question 4

Question Type: MultipleChoice

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

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;
```

```
int main(){
```

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

```
listv(t, t+10);
```

```
multiset s1(v.begin(),v.end());
```

```
if (s1.count(3) == 2) {
```

```
s1.erase(3);
```



```
}  
  
for(multiset::iterator i=s1.begin();i!= s1.end(); i++) {  
  
cout  
  
}  
  
return 0;  
  
}
```

Options:

- A- program outputs: 1 2 3 4 5
- B- program outputs: 1 2 4 5
- C- program outputs: 1 1 2 2 3 4 4 5 5
- D- program outputs: 1 1 2 2 3 3 4 4 5 5
- E- compilation error

Answer:

D

Question 5

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;
```

```
cin.getline(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:

D

Question 6

Question Type: MultipleChoice

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

```
#include
```

```
#include
```

```
#include
```

```
using namespace std;

class B { int val;

public:

B(int v=0):val(v){}

int getV() const {return val;}

operator int () const { return val; } };

ostream & operator

templatestruct Out {

ostream & out;

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

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

struct Add {

B operator()(B & a, B & b) { return a+b; } };

int main() {

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

```
vector v1(t, t+10);  
  
vector v2(10);  
  
transform(v1.begin(), v1.end(), v2.begin(), bind2nd(Add(),1));  
  
for_each(v2.rbegin(), v2.rend(), Out(cout));cout  
  
return 0;  
  
}
```

Program outputs:

Options:

A- 1 2 3 4 5 6 7 8 9 10

B- 2 3 4 5 6 7 8 9 10 11

C- 10 9 8 7 6 5 4 3 2 1

D- 11 10 9 8 7 6 5 4 3 2

E- compilation error

Answer:

E

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