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# Question 1

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**Question Type:** MultipleChoice

---

What will variable "y" be in class B?

```
class A {
```

```
int x;
```

```
protected:
```

```
int y;
```

```
public:
```

```
int age;
```

```
};
```

```
class B : public A {
```

```
string name;
```

```
public:
```

```
void Print() {
```

```
cout
```

```
}
```

```
};
```

### Options:

---

A- public

B- private

C- protected

D- None of these

### Answer:

---

C

## Question 2

---

**Question Type:** MultipleChoice

---

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

```
#include  
  
#include  
  
using namespace std;  
  
int main()  
{  
  
string s1[]= {"How" , "to" };  
  
s1[0].swap(s1[1]);  
  
for (int i=0; i  
  
cout  
  
}  
  
return( 0 );  
  
}
```

### Options:

---

**A-** It prints: Hoto

**B-** It prints: toHow

**C-** It prints: Ht

**D-** It prints: to

**Answer:**

---

B

## Question 3

---

**Question Type:** MultipleChoice

---

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

```
#include
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
const char *s;
```

```
char str[] = "Hello";
```

```
s = str;
while(*s) {
cout
}
return 0;
}
```

### Options:

---

- A- It prints: el
- B- It prints: Hello
- C- It prints: H
- D- It prints: o

### Answer:

---

B

## Question 4

---

**Question Type:** MultipleChoice

---

What will be the output of the program?

```
#include
```

```
#include
```

```
using namespace std;
```

```
int fun(int);
```

```
int main()
```

```
{
```

```
float k=3;
```

```
k = fun(k);
```

```
cout
```

```
return 0;
```

```
}
```

```
int fun(int i)
```

```
{  
i++;  
return i;  
}
```

**Options:**

---

A- 3

B- 5

C- 4

D- 5

**Answer:**

---

C

## Question 5

---

Question Type: MultipleChoice

---



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

```
#include  
  
using namespace std;  
  
#define A 1  
  
int main()  
{  
#if A  
cout  
#endif  
cout  
return 0;  
}
```

**Options:**

---

**A-** It will print: Helloworld

**B-** It will print: Hello

**C-** It will print: world

**D-** It will print: 0

**Answer:**

---

A

## Question 6

---

**Question Type:** MultipleChoice

---

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

```
#include
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
int i = 4;
```

```
while(i >= 0) {
```

```
cout  
i??.  
}  
return 0;  
}
```

**Options:**

---

- A- It prints:"43210"
- B- It prints:"3210"
- C- It prints: "3210?1"
- D- None of these

**Answer:**

---

A

## Question 7

---

**Question Type: MultipleChoice**

---

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

```
#include
```

```
#include
```

```
using namespace std;
```

```
class complex{
```

```
double re;
```

```
double im;
```

```
public:
```

```
complex() : re(1),im(0.4) {}
```

```
bool operator==(complex &t);
```

```
};
```

```
bool complex::operator == (complex &t){
```

```
if((this->re == t.re) && (this->im == t.im))
```

```
return true;
```

```
else  
  
return false;  
  
}  
  
int main(){  
  
complex c1,c2;  
  
if (c1==c2)  
  
cout  
  
else {  
  
cout  
  
}  
  
}
```

**Options:**

---

**A-** It prints: OK

**B-** It prints: ERROR

C- Compilation error

D- Runtime error.

**Answer:**

---

A

## Question 8

---

**Question Type: MultipleChoice**

---

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

```
#include
```

```
using namespace std;
```

```
class A {
```

```
public:
```

```
void Print(){ cout
```

```
};
```

```
class C:public A {  
  
public:  
  
virtual void Print()=0;  
  
};  
  
int main()  
  
{  
  
C obj3;  
  
obj3?>Print();  
  
}
```

### Options:

---

**A-** It prints: BB

**B-** It prints: A

**C-** It prints: AB

**D-** Compilation error

**Answer:**

---

D

## Question 9

---

**Question Type:** MultipleChoice

---

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

```
#include
```

```
using namespace std;
```

```
int main (int argc, const char * argv[])
```

```
{
```

```
enum state { ok, error, warning};
```

```
enum state s1, s2, s3;
```

```
s1 = ok;
```

```
s2 = warning;
```

```
s3 = error;
```



```
s4 = ok;  
  
cout  
  
return 0;  
  
}
```

**Options:**

---

- A- It will print:"123"
- B- compilation error
- C- It will print:"021"
- D- It will print:"132"

**Answer:**

---

B

## Question 10

---

Question Type: MultipleChoice

---

Which of the following is a user defined data type?

1:

```
struct person
```

```
{
```

```
char name[20];
```

```
int age;
```

```
};
```

2:

```
int l=2;
```

3:

```
enum color {red,blue, green};
```

D.

```
char c;
```

**Options:**

---

A- 1

B- 2

C- 3

D- 4

**Answer:**

---

A, C

## Question 11

---

**Question Type:** MultipleChoice

---

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

```
#include
```

```
using namespace std;
```

```
class First
```

```
{
```

```
public:
```

```
First() { cout
~First() { cout
void Print(){ cout
};
int main()
{
First FirstObject;
FirstObject.Print();
}
```

### Options:

---

- A-** It prints: Constructorfrom First
- B-** It prints: Constructorfrom FirstDestructor
- C-** It prints: Constructorfrom FirstDestructorDestructor
- D-** Compilation error at line 16

**Answer:**

---

B

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