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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  
  
using namespace std;  
  
int main()  
{  
int a=5;  
  
cout  
}
```

### Options:

---

A- It prints: 9

B- It prints: 9.9

C- Compilation error

D- None of these

### Answer:

---

A

## Question 3

---

**Question Type:** MultipleChoice

---

Which code, inserted at line 18, generates the output "AB"

```
#include
```

```
using namespace std;
```

```
class A
```

```
{
```

```
public:
```

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

```
void Print2(){ cout
```

```
};
```

```
class B:public A
```

```
{
```

```
public:
```

```
void Print(){ cout  
void Print2(){ cout  
};  
int main()  
{  
B ob2;  
//insert code here  
ob2.Print();  
}
```

### Options:

---

- A- ob2?>A::Print();
- B- ob2.B::Print();
- C- ob2?>B::Print();
- D- ob2.A::Print();

**Answer:**

---

D

## Question 4

---

**Question Type: MultipleChoice**

---

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

```
#include
```

```
#include
```

```
using namespace std;
```

```
class A {
```

```
protected:
```

```
int y;
```

```
public:
```

```
int x, z;
```

```
A() : x(1), y(2), z(0) {}
```

```
A(int a, int b) : x(a), y(b) { z = x * y;}
```

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

```
};
```

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

```
public:
```

```
int y;
```

```
B() : A() {}
```

```
B(int a, int b) : A(a,b) {}
```

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

```
};
```

```
int main () {
```

```
A b(2,5);
```

```
b.Print();
```

```
return 0;
```

```
}
```



### Options:

---

A- It prints: 10

B- It prints: 2

C- It prints: 5

D- It prints: 1

### Answer:

---

A

## Question 5

---

### Question Type: MultipleChoice

---

What is the output of the program?

```
#include
```

```
using namespace std;
```

```
#define PRINT(i) cout
```

```
int main()
```

```
{  
int y=2, z=3;  
PRINT(y);  
PRINT(z);  
return 0;  
}
```

**Options:**

---

- A- It prints: 123
- B- It prints: 23
- C- It prints: 3
- D- It prints: 2

**Answer:**

---

B

## 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=5;
```

```
switch(i)
```

```
{
```

```
case 1:
```

```
cout
```

```
break;
```

```
case 2:
```

```
cout
```

```
break;  
  
case 3:  
  
break;  
  
default:  
  
cout  
  
}  
  
return 0;  
  
}
```

### Options:

---

- A- It prints: Hello
- B- It prints: world
- C- It prints: End
- D- It prints: Helloworld

### Answer:

---

C

## Question 7

---

**Question Type:** MultipleChoice

---

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

```
#include
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
int *a= new int;
```

```
*a=100;
```

```
cout
```

```
delete a;
```

```
}
```

**Options:**

---

A- It prints: 1

B- It prints: 100

C- It prints: 0

D- It prints: 10

**Answer:**

---

B

## Question 8

---

**Question Type: MultipleChoice**

---

Which of the following operations is INCORRECT?

**Options:**

---

A- `int i=15;`

**B-** long int k=123

**C-** float f=12,2;

**D-** double d=12;

**Answer:**

---

C

## Question 9

---

**Question Type:** MultipleChoice

---

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

```
#include
```

```
#include
```

```
using namespace std;
```

```
class A {
```

```
protected:
```

```
int y;
```

```
public:
```

```
int x,z;
```

```
A() : x(2), y(2), z(1) { z = x + y; }
```

```
A(int a, int b) : x(a), y(b) { z = x + y;}
```

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

```
};
```

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

```
public:
```

```
int y;
```

```
B() : A() {}
```

```
B(int a, int b) : A(a,b) {}
```

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

```
};
```

```
int main () {
```

```
A b;
```



```
b.Print();  
  
return 0;  
  
}
```

### Options:

---

- A- It prints: 4
- B- It prints: 0
- C- It prints: 3
- D- It prints: 2

### Answer:

---

A

## Question 10

---

**Question Type:** MultipleChoice

---

What is the output of the program if character 3 is supplied as input?

```
#include  
  
using namespace std;  
  
int main () {  
  
int c;  
  
cin >> c;  
  
try  
  
{  
  
switch (c)  
  
{  
  
case 1:  
  
throw 20;  
  
case 2:  
  
throw 5.2f;  
  
case 3:  
  
throw 'a';
```

```
}  
  
}  
  
catch (int e)  
  
{ cout  
  
catch (float e)  
  
{ cout  
  
catch (...)  
  
{ cout  
  
return 0;  
  
}
```

### **Options:**

---

- A-** It prints: float exception. Exception Nr.
- B-** It prints: int exception. Exception Nr.
- C-** It prints: An exception occurred.
- D-** It prints: float exception. Exception Nr.

**Answer:**

---

C

## Question 11

---

**Question Type: MultipleChoice**

---

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

```
#include
```

```
#include
```

```
using namespace std;
```

```
class A {
```

```
int x;
```

```
protected:
```

```
int y;
```

```
public:
```

```
int z;
```

```
A() { x=1; y=2; z=3; }
```

```
};
```

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

```
public:
```

```
void set() {
```

```
y = 4; z = 2;
```

```
}
```

```
void Print() {
```

```
cout
```

```
}
```

```
};
```

```
int main () {
```

```
B b;
```

```
b.set();
```

```
b.Print();
```

```
return 0;
```

```
}
```

### Options:

---

A- It prints: 42

B- It prints: 44

C- It prints: 22

D- It prints: 2

### Answer:

---

A

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