Free Questions for CPA-21-02 by vceexamstest

Shared by Ramos on 08-12-2023

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Question 1

How many copies of the value member are stored in memory during program execution?

```
class A
{
public:
    static int value;
};
```

Options:

A- as many as objects of the A class plus one

B- as many as obiects of the A class and its inheritants

C- as many as objects of the A class

D- one

Answer:

D

Question 2

Which of the following statements are true? (Choose two.)

Options:

A- Class A's friend's friend is also a friend of class A

B- Friendship is inherited

C- A class may be a friend of many classes

D- A class may have many friends

Answer:

C, D

Question 3

Which code line inserted instead of the comment below will cause the program to produce the expected output?

Expected output:

AB

Code:
```cpp
#include <iostream>

using namespace std;

class A
{
public:
    void print(){ cout<< "A"; }
    void print2(){ cout<< "a"; }
};

class B: public A
{
public:
    void print(){ cout<< "B"; }
    void print2(){ cout<< "b"; }
};

int main()
{
    B ob2;

// Insert line of code here

    ob2.print();
}
```

Options:

A- ob2.A::print();

B- ob2 --> A::print();

C- ob2.B::print();

D- ob2 --> B::print();

Answer:

A

Question 4

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

```
#include <iostream>
using namespace std;
int fun(int x)
{
    return 4 * x;
}
int main()
[
    cout << fun(0) && fun(1);
}
```

Options:

A- It prints: 4

B- It prints: 1

C- It causes a compilation error

D- lit prints: 0

Answer:

C

Question 5

Which code line inserted instead of the comment below will cause the program to produce the expected output?

Expected output:

AB

Code:

```cpp
#include <iostream>

using namespace std;

class A
{
public:
    void print(){ cout<< "A"; }
    void print2(){ cout<< "a"; }
};

class B: public A
{
public:
    void print(){ cout<< "B"; }
    void print2(){ cout<< "b"; }
};

int main()
{
    B ob2;

// Insert line of code here

    ob2.print();
}
```

Options:

A- ob2.A::print();

B- ob2 --> A::print();

C- ob2.B::print();

D- ob2 --> B::print();

Answer:

A

Question 6

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

```
#include <iostream>
using namespace std;
int fun(int x)
{
    return 4 * x;
}
int main()
[
    cout << fun(0) && fun(1);
}
```

Options:

A- It prints: 4

B- It prints: 1

C- It causes a compilation error

D- lit prints: 0

Answer:

C

Question 7

How many copies of the value member are stored in memory during program execution?

```
class A
{
public:
    static int value;
};
```

Options:

A- as many as objects of the A class plus one

B- as many as obiects of the A class and its inheritants

C- as many as objects of the A class

D- one

Answer:

D

Question 8

Which of the following statements are true? (Choose two.)

Options:

A- Class A's friend's friend is also a friend of class A

B- Friendship is inherited

C- A class may be a friend of many classes

D- A class may have many friends

Answer:

C, D