

CPA-21-02^{Q&As}

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QUESTION 1

Which line of code inserted instead of the comment will make the following code run properly without causing memory leaks?

```
#include <iostream>

using namespace std;

class Base
{
public
    int *ptr;
    Base(int i) { ptr = new int(i); }

    // Insert line of code here

    int get() { return *ptr; }
};

int main()
{
    Base* o = new Base(10) ;
    cout << o -> get() ;
}
```

- A. ~Base() (delete this; }
- B. no additional code is needed
- C. ~Base() { delete ptr; delete ptr; }
- D. ~Base() { delete ptr; }

Correct Answer: D

QUESTION 2

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

```
#include

using namespace std;

void fun(char*);
```

```
int main()

{

char t[4]={\\'0\\', \\'1\\', \\'2\\', \\'3\\'};

fun(andt[0]);

return 0;

}

void fun(char *a) {

cout
```