Predict the output of the following code snippets. Do not use any compiler. Do only Dry Run.

1. Predict the output of the following code snippets:

#include<iostream>

usingnamespacestd;

classBase1 {

 public:

     Base1(){

cout<< " Base1's constructor called"<<endl;

}

};

classBase2 {

 public:

     Base2(){

cout<< "Base2's constructor called"<<endl;

}

};

classDerived: publicBase1, publicBase2 {

   public:

     Derived(){

  cout<< "Derived's constructor called"<<endl;

}

};

intmain()

{

   Derived d;

   return0;

}

Options:

1. Compiler Dependent
2. Base1’s constructor called

Base2’s constructor called

Derived’s constructor called

1. Base2’s constructor called

Base1’s constructor called

Derived’s constructor called

1. Compilation Error

Answer: B

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1. Predict the output of the following code snippets:

#include<iostream>

usingnamespacestd;

classP {

public:

   voidprint()  { cout<<" Inside P"; }

};

classQ : publicP {

public:

   voidprint() { cout<<" Inside Q"; }

};

classR: publicQ { };

intmain(void)

{

  R r;

  r.print();

  return0;

}

Options:

1. Inside P
2. Inside Q
3. Compilation Error
4. Program will run without output

Answer: D

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1. Predict the output of the following code snippets:
2. #include<iostream>
3. usingnamespacestd;
4. classBase {};
5. classDerived: publicBase {};
6. intmain()
7. {
8. Base \*bp = newDerived;
9. Derived \*dp = newBase;
10. }

Options:

1. No Compilation Error
2. Runtime Error
3. Compilation Error in line 7
4. Compilation Error in line 8

Answer: A

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1. Predict the output of the following code snippets:
2. #include<iostream>
3. usingnamespacestd;
4. classBase
5. {
6. public:
7. voidshow()
8. {
9. cout<<" In Base ";
10. }
11. };
12. classDerived: publicBase
13. {
14. public:
15. intx;
16. voidshow()
17. {
18. cout<<"In Derived ";
19. }
20. Derived()
21. {
22. x = 10;
23. }
24. };
25. intmain(void)
26. {
27. Base \*bp, b;
28. Derived d;
29. bp = &d;
30. bp->show();
31. cout<<bp->x;
32. return0;
33. }

Options:

1. In Base 10
2. In Derived 10
3. Compilation Error in line 30
4. Compilation Error in line 31

Answer: A

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1. Predict the output of the following code snippets:

#include <iostream>

using namespace std;

class Animal

{

public:

int legs = 4;

};

class Dog : public Animal

{

public:

int tail = 1;

};

int main()

{

Dog d;

cout<<d.legs;

cout<<d.tail;

}

Options:

1. Error
2. 44
3. 40
4. 41

Answer: D

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1. Predict the output of the following code snippets:

#include <iostream>

using namespace std;

int main() {

inti = 0, x = 0;

do{

if(i % 5 == 0) {

cout<<x;

x++;

}

++i;

}while(i<10);

cout<<x;

return 0;

}

Options:

1. 01
2. 012
3. 0
4. 0123

Answer: A

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1. Predict the output of the following code snippets:

#include <iostream>

using namespace std;

int main() {

inti=0,x=0;

for(i=1;i<10;i\*=2){

x++;

cout<<x;

}

cout<<x;

return 0;

}

Options:

1. 1234567899
2. 12345678910
3. 123455
4. 12344

Answer: D

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1. How many times 'its a while loop' should be printed?

#include <iostream>

using namespace std;

int main(){

inti = 1 ;

i = i - 1 ;

while(i){

cout<<"its a while loop";

i++ ;

}

return 0;

}

Options:

1. 1
2. 2
3. 0
4. Infinite Times

Answer: C

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1. What should be the output of below program?

#include <iostream>

using namespace std;

int main(){

int a = 1;

switch(a) {

case 1: cout<<"One";

case 2: cout<<"Two";

case 3: cout<<"Three";

default: cout<<"Default";

}

return 0;

}

Options:

1. One
2. Compilation Error
3. Default
4. OneTwoThree

Answer: A

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1. What should be output of below program

if use enter a = 5?

#include <iostream>

using namespace std;

int main(){

int a;

cin>>a; // user can enter any value

if (++a\*5 <= 25) {

cout<<"Hello";

}

else {

cout<<"Bye";

}

}

Options:

1. Hello
2. Bye
3. Undefined
4. Compilation Error

Answer: A

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