ISHITA SINGH

Q1) D-CLASS

Q2) D-ENCAPSULATION

Q3) B-FUNCTION

Q4) B-C++

Q5) C-INHERITANCE

Q6) C-POLYMORPHISM

Q7) D-FUNCTION

Q8) D-IT WILL COMPILE SUCCESSFULLY

Q9) B-BEHAVIOUR

Q10) B-INHERITANCE

Q11) #include<iostream>

using namespace std;

class ishita

{

public:

int id;

void printid()

{

cout<<"ID is:"<<id<<endl;

}

};

int main()

{

ishita obj1,obj2;

obj1.id=5;

obj2.id=10;

obj1.printid();

obj2.printid();

return 0;

}

Q12)

#include <bits/stdc++.h>

using namespace std;

class prog{

public:

int a;

prog add(prog s,prog t)

{

prog p;

p.a = p.a + s.a + t.a;

return p;

}

};

int main()

{

prog p1,p2,p3;

p1.a = 5;

p2.a = 10;

p3.a = 15;

cout << "Value of object 1: " << p1.a << " \nobject 2: " << p2.a

<< "\nobject 3: " << p3.a

<< "\n";

p3 = p3.add(p1, p2);

cout << "New values \n";

cout << "Value of object 1: " << p1.a

<< "\nobject 2: " << p2.a

<< " \nobject 3: " << p3.a

<< "\n";

return 0;

}

Q13) #include<iostream>

using namespace std;

class Complex {

private:

int real, imag;

public:

Complex(int r = 0, int i =0)

{

real = r; imag = i;

}

Complex operator + (Complex const &obj)

{

Complex sum;

sum.real = real + obj.real;

sum.imag = imag + obj.imag;

return sum;

}

void print()

{ cout << real << " + i" << imag << endl;

}

};

int main()

{

Complex c1(5, 10), c2(15, 20);

Complex c3 = c1 + c2;

c3.print();

}

Q14) #include<iostream>

using namespace std;

class date

{

public:

int id;

void printid()

{

cout<<"ID is:"<<id<<endl;

}

};

int main()

{

date obj1;

obj1.id=5;

obj1.printid();

return 0;

}