**Day-2 Codes snippet**

**Guess the output of following codes**

**Q-1**

class Parent{

int x;

int y;

void display(){

System.out.println("X: "+x+" y: "+y);

}

}

class Child extends Parent{

Child(int x,int y){

x=x;

y=y;

}

}

class First{

First(){

System.out.println("In First");

}

public static void main(String[]args){

Child obj=new Child(67,99);

obj.display();

}

}

**Q-2**

class Parent{

int x;

int y;

void display(){

System.out.println("X: "+x+" y: "+y);

}

}

class Child extends Parent{

Child(int x,int y){

this();

super.display();

}

Child(){

this.x=x;

this.y=y;

}

}

class Second{

public static void main(String[]args){

Child obj=new Child(67,99);

}

}

**Q3**

class Parent{

int x;

int y;

void display(){

System.out.println("X: "+x+" y: "+y);

}

}

class Child extends Parent{

Child(int x,int y){

this.x=x;

this.y=y;

}

void show(){

super.display();

System.out.println(x+y);

}

}

class Third{

public static void main(String[]args){

Parent obj=new Child(67,99);

obj.show();

}

}

**Q.4**

class Parent{

int x;

Parent(){

}

Parent(int k){

this.x=k;

}

}

class Child extends Parent{

int y;

Child(int p,int w){

super(w);

this.x=p;

this.y=p;

}

void display(){

System.out.println("X: "+x+" y: "+y);

}

}

class Fourth{

public static void main(String[]args){

Child obj=new Child(67,99);

obj.display();

}

} -Rahul Nikale(Team 16)