**public** **class** Dog

{

String name;

String breed;

**int** age;

String color;

**public** Dog(String name, String breed, **int** age, String color)

{

**this**.name = name;

**this**.breed = breed;

**this**.age = age;

**this**.color = color;

}

**public** String getName()

{

**return** name;

}

**public** String getBreed()

{

**return** breed;

}

**public** **int** getAge()

{

**return** age;

}

**public** String getColor()

{

**return** color;

}

@Override

**public** String toString()

{

**return**("Hi my name is "+ **this**.getName()+ ".\nMy breed,age and color are " + **this**.getBreed()+", " + **this**.getAge()+ ", and"+ **this**.getColor() + ".");

}

**public** **static** **void** main(String[] args)

{

Dog scott = **new** Dog("Scott","papillon", 5, "black");

System.***out***.println(scott.toString());

}

}

OUTPUT- Hi my name is Scott.

My breed,age and color are papillon, 5, andblack.

class Sum

{

public int sum(int x, int y)

{

return (x + y);

}

public int sum(int x, int y, int z)

{

return (x + y + z);

}

public double sum(double x, double y)

{

return (x + y);

}

public static void main(String args[])

{

Sum s = new Sum();

System.out.println(s.sum(10, 20));

System.out.println(s.sum(10, 20, 30));

System.out.println(s.sum(10.5, 20.5));

}

}

OUTPUT- 30

60

31.0

class Bicycle

{

public int gear;

public int speed;

public Bicycle(int gear, int speed)

{

this.gear = gear;

this.speed = speed;

}

public void applyBrake(int decrement)

{

speed -= decrement;

}

public void speedUp(int increment)

{

speed += increment;

}

public String toString()

{

return("No of gears are " + gear + "\n" + "speed of bicycle is " + speed);

}

}

class MountainBike extends Bicycle

{

public int seatHeight;

public MountainBike(int gear,int speed,int startHeight)

{

super(gear, speed);

seatHeight = startHeight;

}

public void setHeight(int newValue)

{

seatHeight = newValue;

}

@Override

public String toString()

{

return (super.toString()+

"\nseat height is "+seatHeight);

}

}

public class Test

{

public static void main(String args[])

{

MountainBike mb = new MountainBike(3, 100, 25);

System.out.println(mb.toString());

}

}

OUTPUT- My name: Shalini

My age: 20

My roll: 32