**Experiment No 4**

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SE/IT/A Batch B

import java.util.Scanner;

class shape

{

int s1;

void get()

{

Scanner sc=new Scanner (System.in);

System.out.println("Enter side one:");

s1=sc.nextInt();

}

void put()

{

System.out.println("One side of rectangle is :"+s1);

}

}

class rectangle extends shape

{

int s2;

void get()

{

super.get();

Scanner sc=new Scanner (System.in);

System.out.println("Enter side two:");

s2=sc.nextInt();

}

void put()

{

super.put();

System.out.println("Second side of rectangle is :"+s2);

}

void area()

{

int a;

a=s1\*s2;

System.out.println("Area of rectangle is:"+a);

}

}

class cuboid extends rectangle

{

int s3;

void get()

{

super.get();

Scanner sc=new Scanner (System.in);

System.out.println("Enter side three:");

s3=sc.nextInt();

}

void put()

{

super.put();

System.out.println("Third side of cuboid is :"+s3);

}

void volume()

{

int v;

v=s1\*s2\*s3;

System.out.println("Volume of cuboid is:"+v);

}

}

class rectc

{

public static void main(String args[])

{

cuboid c1=new cuboid();

c1.get();

c1.put();

c1.area();

c1.volume();

}

}

/\*output

D:\abhishek \java docs>javac rectc.java

D:\abhishek \java docs>java rectc

Enter side one:

10

Enter side two:

15

Enter side three:

20

One side of rectangle is :10

Second side of rectangle is :15

Third side of cuboid is :20

Area of rectangle is:150

Volume of cuboid is:3000

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