**Experiment No. 10**

**Aim**

Demonstrate the Concept of Abstraction in Java.

**Source code**

package java\_file;

abstract class Result {

abstract float percentage(float x[]);

abstract float sum(float x[]);

void display(float a[]) {

System.out.println("Your Scores...");

System.out.println("OOC \t::\t"+a[0]);

System.out.println("DBMS \t::\t"+a[1]);

System.out.println("IMP \t::\t"+a[2]);

System.out.println("DMF \t::\t"+a[3]);

System.out.println("CPS \t::\t"+a[4]);

System.out.println("\nYour Percentage is "+percentage(a));

}

}

class Working extends Result {

float percentage(float x[]) {

float per=(sum(x)/500)\*100;

return per;

}

float sum(float x[]) {

float temp=0;

for(int i=0;i<x.length;i++)

temp+=x[i];

return temp;

}

}

public class \_10\_Abstraction {

public static void main(String[] args) {

float arr[]= {91,84,65,50,77};

Working obj=new Working();

obj.display(arr);

}

}

**Output**

