



File Edit View

```
import java.util.*;
public class Ass1
{
    // Main driver method
    public static void main(String args[])
    {
        // Taking input from user
        Scanner sc = new Scanner(System.in);
        int n;    //Declaring Variables

        //Ask the user to enter the Array Size
        System.out.println("Enter the total subjects ");
        n=sc.nextInt();

        //Declare the array
        int arr[] = new int[n];
        System.out.println("Enter the marks secured in each subject ");
        for(int i=0;i<n;i++)    //Initialize the array
        {
            arr[i]=sc.nextInt();
        }

        int total=0;
        //Calculate the total marks
        for(int i=0;i<n;i++)
        {
            total=total+arr[i];
        }
        //Display the total marks
        System.out.println("The total marks obtained is "+total);

        //Calculate the percentage
        float percentage;
        percentage = (total / (float)n);

        //Display the total percentage
        System.out.println( "Total Percentage : " + percentage + "%");
    }
}
```

Ln 1, Col 1



Command Prompt

```
Microsoft Windows [Version 10.0.22000.613]
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C:\Users\abhis>D:
D:\>cd Vivek
D:\Vivek>cd Assignment
D:\Vivek\Assignment>javac Ass1.java
D:\Vivek\Assignment>java Ass1
Enter the total subjects
5
Enter the marks secured in each subject
91 92 93 94 95
The total marks obtained is 465
Total Percentage : 93.0%
D:\Vivek\Assignment>_
```

```
*Ass2 - Notepad
File Edit View

class Personal
{
    String name=new String();
    String fname=new String();
    String add=new String();
    String phno=new String();
    Personal(String a,String b,String c,String d)
    {
        name=a;    fname=b;    add=c;    phno=d;
    }
    void display()
    {
        System.out.println("Name is "+name);
        System.out.println("Address "+add);
        System.out.println("Father's Name is "+fname);
        System.out.println("Contact number "+phno);
    }
}
class Education extends Personal
{
    int roll,age;
    char section;
    String branch=new String();
    Education(String a, String b, String c, String d, int e, int f, char g, String h)
    {
        super(a,b,c,d);    roll=e;    age=f;    section=g;    branch=h;
    }
    void display2()
    {
        super.display();
        System.out.println("Roll Number="+roll);
        System.out.println("AGE="+age);
        System.out.println("SECTION="+section);
        System.out.println("Branch is "+branch);
    }
}
class Ass2
{
    public static void main(String args[])
    {
        Education e=new Education("Vivek Kadam","Vijay Kadam","Shirdi","8625867057",59,19,'A',"Computer");
        e.display2();
    }
}
```

Ln 7, Col 35

```
C:\> Command Prompt
Microsoft Windows [Version 10.0.22000.613]
(c) Microsoft Corporation. All rights reserved.

C:\Users\abhis>D:

D:\>cd Vivek

D:\Vivek>cd Assignment

D:\Vivek\Assignment>javac Ass2.java

D:\Vivek\Assignment>java Ass2
Name is Vivek Kadam
Address Shirdi
Father's Name is Vijay Kadam
Contact number 8625867057
Roll Number=59
AGE=19
SECTION=A
Branch is Computer

D:\Vivek\Assignment>
```

File Edit View

```

interface Exam {
    void Percent_cal();
}

class Student {

    String name;
    int roll_no, Marks1, Marks2, Marks3, Marks4, Marks5;
    Student(String n, int rn, int m1, int m2, int m3, int m4, int m5) {

        name = n;
        roll_no = rn;
        Marks1 = m1; Marks2 = m2; Marks3 = m3; Marks4 = m4; Marks5 = m5;
    }
    void show() {
        System.out.println("Student Name : "+name);
        System.out.println("Roll no : "+roll_no);
        System.out.println("Marks1 : "+Marks1);
        System.out.println("Marks2 : "+Marks2);
        System.out.println("Marks3 : "+Marks3);
        System.out.println("Marks4 : "+Marks4);
        System.out.println("Marks5 : "+Marks5);
    }
}

class Result extends Student implements Exam {
    float per;
    Result(String n,int rn,int m1,int m2, int m3, int m4, int m5) {
        super(n,rn,m1,m2,m3,m4,m5);
    }
    public void Percent_cal() {
        int tot = Marks1 + Marks2 + Marks3 + Marks4 + Marks5;
        per = (float)tot / 5;
    }
    void display() {
        show();
        System.out.println("Percentage = "+per);
    }
}

public class Ass3 {

    public static void main (String[] args) {

        Result r = new Result("Vivek Kadam",59,85,95,99,95,97);
        r.Percent_cal();
        r.display();
    }
}

```

Ln 1, Col 17

Command Prompt

```

Microsoft Windows [Version 10.0.22000.613]
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C:\Users\abhis>D:

D:\>cd Vivek

D:\Vivek>cd Assignment

D:\Vivek\Assignment>javac Ass3.java

D:\Vivek\Assignment>java Ass3
Student Name : Vivek Kadam
Roll no : 59
Marks1 : 85
Marks2 : 95
Marks3 : 99
Marks4 : 95
Marks5 : 97
Percentage = 94.2

D:\Vivek\Assignment>_

```


FileEditSelectionViewGoRunTerminalHelp

Ass5b.java - Assignment - Visual Studio Code

0000

Ln 13, Col 2 Spaces: 2 UTF-8 CRUFJava

ASSIGNMENT

EXPLORER

Photo

Ass5a.class

Ass5a.java

Ass5b.class

Ass5b.java

Main.class

Ass5a.java

1import java.io.*;

2

3class Ass5a {

4// declaring the type of exception

5public static void findFile() throws IOException {

6

7// code that may generate IOException

8File newFile = new File("test.txt");

9FileInputStream stream = new FileInputStream(newFile);

10}

11

12public static void main(String[] args) {

13try {

14findFile();

15}

16catch (IOException e) {

17System.out.println(e);

18}

19finally {

20System.out.println("This is the finally block");

21}

22}

23}

Ass5b.java

1class Ass5b {

2public static void divideByZero() {

3

4// throw an exception

5throw new ArithmeticException("Trying to divide by 0");

6}

7

8public static void main(String[] args) {

9divideByZero();

10}

11}

12}

13}

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PS F:\\$ SCOE \$1SV\Sem 2\Lab\JAVA\VK\Assignment> javac Ass5a.java

PS F:\\$ SCOE \$1SV\Sem 2\Lab\JAVA\VK\Assignment> java Ass5a

java.io.FileNotFoundException: test.txt (The system cannot find the file specified)

This is the finally block

PS F:\\$ SCOE \$1SV\Sem 2\Lab\JAVA\VK\Assignment> █

PS F:\\$ SCOE \$1SV\Sem 2\Lab\JAVA\VK\Assignment> javac .\Ass5b.java

PS F:\\$ SCOE \$1SV\Sem 2\Lab\JAVA\VK\Assignment> java Ass5b

Exception in thread "main" java.lang.ArithmeticException: Trying to divide by 0

at Ass5b.divideByZero(Ass5b.java:5)

at Ass5b.main(Ass5b.java:10)

PS F:\\$ SCOE \$1SV\Sem 2\Lab\JAVA\VK\Assignment> █

powerhell

powerhell

