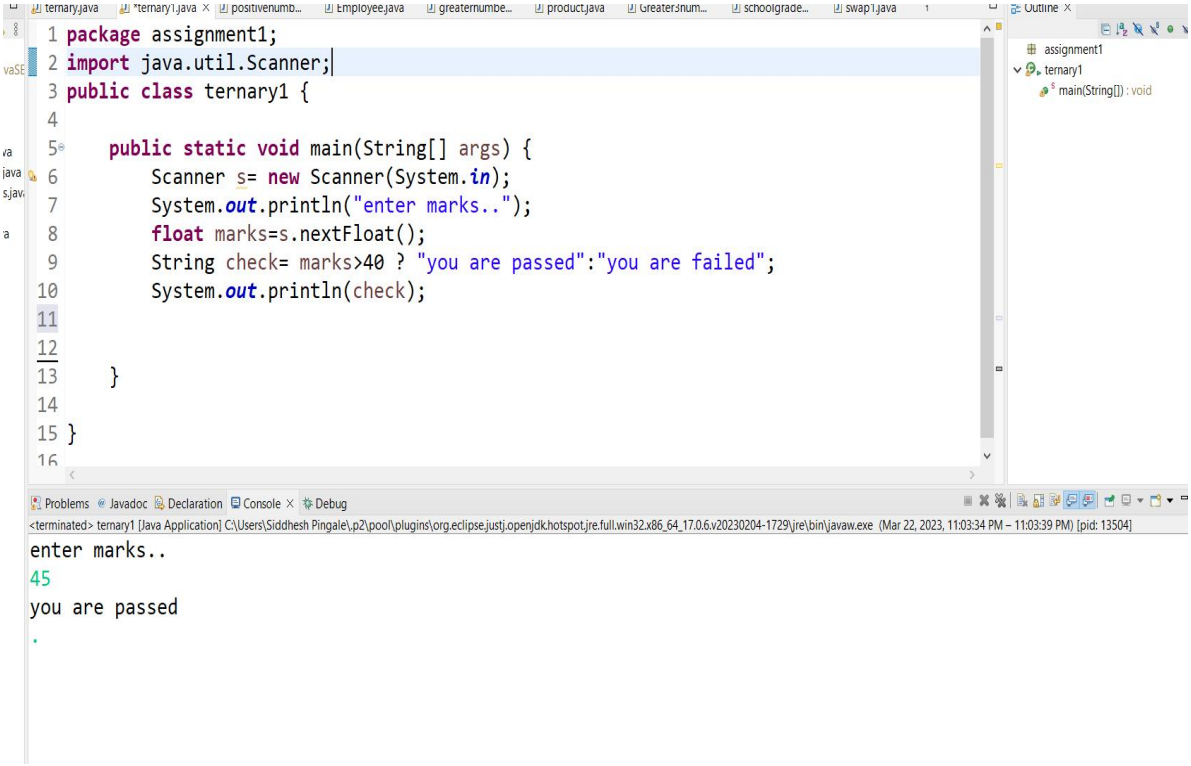
Assignment 1

Q wap to demonstrate ternary operator .define a variable marks .ask its value from user and using ternary operator check if marks > 40 store "Pass" in result variable else store "Fail"



```java
package assignment1;
import java.util.Scanner;
public class ternary1 {

    public static void main(String[] args) {
        Scanner s= new Scanner(System.in);
        System.out.println("enter marks..");
        float marks=s.nextFloat();
        String check= marks>40 ? "you are passed":"you are failed";
        System.out.println(check);


    }

}
```

```
enter marks..
45
you are passed
```

Assignment 1

Q 2 using ternary check if number entered by user is positive or negative .In case number is positive store "Positive number" else store negative number to Result variable.

```java
package assignment1;
import java.util.Scanner;
public class positivenumbers {

    public static void main(String[] args) {
        Scanner sb=new Scanner(System.in);
        System.out.println("Enter number");
        int num=sb.nextInt();
        //String check=num>=0 ? "The Number is Positive":"The Number is Negitive";
        //System.out.println(check);
        System.out.println(num>=0 ? "The Number is Positive":"The Number is Negitive")

    }

}
```

Problems Javadoc Declaration Console Debug

<terminated> positivenumbers [Java Application] C:\Users\Siddhesh Pingale\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (Mar 22, 2023, 1

```
Enter number

21
The Number is Positive
```

Assignment 1

Q 3 WAP to ask name ,age and salary of an employee and print on console.

```
package assignment1;
import java.util.Scanner;
public class Employee {

public static void main(String[] args) {
Scanner s=new Scanner(System.in);
String name;
int age;
float salery;
System.out.println("Please enter your name.. ");
name=s.nextLine();
System.out.println("Please enter your age.. ");
age=s.nextInt();
System.out.println("Please enter your salery..
");
salery=s.nextFloat();
System.out.println("Your name is="+name);
System.out.println("Your age is="+age);
System.out.println("Your salery is="+salery);
}

}
```

OutPut

```
Please enter your name..
siddhesh
Please enter your age..
22
Please enter your salery..
10000
Your name is=siddhesh
Your age is=22
Your salery is=10000.0
```

Assignment 1

Q 4 wap that ask two numbers from user and print greater number among two

```
package assignment1;
import java.util.Scanner;
public class greaternumber {

public static void main(String[] args) {
float num1,num2;
System.out.println("Enter two number..");
Scanner s=new Scanner(System.in);
num1=s.nextFloat();
num2=s.nextFloat();
System.out.println(num1>num2 ?"num1 is
greater":"num2 is greater");
}
```

OUTPUT

```
Enter two number..
45
58
num2 is greater
```

Assignment 1

Q 5 wap to ask product name and price of product from user and calculate discount i.e
if price > 2000 then discount is 10 percent of price
else
discount is 7 % of price

```
package assignment1;
import java.util.Scanner;
public class product {

public static void main(String[] args) {
Scanner s=new Scanner(System.in);
String name;
float price;
System.out.println("Enter the product name");
name=s.nextLine();
System.out.println("Enter the productprice");
price=s.nextFloat();
if(price>2000)
{
System.out.println("the enter product name
is:"+name);
System.out.println("the discount offer is=10%");
System.out.println("the final price after
discount is="+(price-price*.10));
}
else
{
System.out.println("the enter product name
is:"+name);
System.out.println("the discount offer is=7%");
System.out.println("the final price after
discount is="+(price-price*.07));
}
}

}
OUTPUT
Enter the product name
```

Assignment 1

```
bicycle
Enter the productprice
2500
the enter product name is:bicycle
the discount offer is=10%
the final price after discount is=2250.0
```

Q 6 Wap to swap two numbers.

```
public static void main(String[] args) {
int a=12;
int b=45;
int t;
System.out.println("Before swapping value of
a="+a);
System.out.println("Before swapping value of
b="+b);
t=a;
a=b;
b=t;
System.out.println("After swapping value of
a="+a);
System.out.println("After swapping value of
b="+b);

}

}
```

OUTPUT

```
Before swapping value of a=12
Before swapping value of b=45
After swapping value of a=45
After swapping value of b=12
```

Assignment 1

Q 7 How to swap two numbers without using a third variable?

```
package assignment1;

public class swap1 {

public static void main(String[] args) {
int a=10;
int b=20;
System.out.println("Before swapping value of
a="+a);
System.out.println("Before swapping value of
b="+b);
a=a+b;
b=a-b;
a=a-b;
System.out.println("After swapping value of
a="+a);
System.out.println("After swapping value of
b="+b);
}
```

OUTPUT

```
Before swapping value of a=10
Before swapping value of b=20
After swapping value of a=20
After swapping value of b=10
```

Q 8 wap to check is number is evenor odd.

Assignment 1

```java
package assignment1;
import java.util.Scanner;
public class EVENODD {

public static void main(String[] args) {
Scanner s=new Scanner(System.in);
System.out.println("enter number");
int num=s.nextInt();
if(num%2==0)
{
System.out.println("number is Even");
}
else
{
System.out.println("number is odd");
}

}
```

OUTPUT

```
enter number
45
number is odd


enter number

20
number is Even
```

Assignment 1

Q 9 A school has following rules for grading system:
a. Below 25 - F
b. 25 to 45 - E
c. 45 to 50 - D
d. 50 to 60 - C
e. 60 to 80 - B
f. Above 80 - A
Ask user to enter marks and print the corresponding grade
****

```
package assignment1;
import java.util.Scanner;
public class schoolgrade {

public static void main(String[] args) {
Scanner s=new Scanner(System.in);
System.out.println("Enter the marks:");
float marks=s.nextFloat();
System.out.println("The marks enter
is :"+marks);
if(marks<=100) {
if(marks<25)
{
System.out.println("Grade F");
}
else if(marks>25 && marks<=40)
{
System.out.println("Grade E");
}
else if(marks>40 && marks<=50)
{
System.out.println("Grade D"); }
else if(marks>50 && marks<=60)
{
System.out.println("Grade C");
```

Assignment 1

```
}
else if(marks>60 && marks<=80)
{
System.out.println("Grade B");
}
else if( marks>=81)
{
System.out.println("Grade A");
}
else
{
System.out.println("Invalid Marks");
}}
}

}
```

OUTPUT

```
Enter the marks:
15
The marks enter is :15.0
Grade F

Enter the marks:
26
The marks enter is :26.0
Grade E

Enter the marks:
65
The marks enter is :65.0
```

Assignment 1

```
Grade B

Enter the marks:
85
The marks enter is :85.0
Grade A

Enter the marks:
100
The marks enter is :100.0
Grade A
```

Q 10 wap to check greater number among three numbers.

```
package assignment1;

import java.util.Scanner;

public class Greater3num {

public static void main(String[] args) {
// TODO Auto-generated method stub
int n1,n2,n3;
System.out.println("Enter three number..");
Scanner s=new Scanner(System.in);
n1=s.nextInt();
n2=s.nextInt();
n3=s.nextInt();
System.out.println((n1>n2 && n1>n3) ?"n1 is
greater":(n2>n1 && n2>n3)?"n2 is greater":"n3
is greater");

}
```

Assignment 1

OUTPUT

```
Enter three number..

15
25
36
n3 is greater



Enter three number..

25
21
5
n1 is greater
```

Assignment 1

Assignment 1