

SPG 0453 SECURE OBJECT-ORIENTED PROGRAMMING

TASK CHAPTER:

NUMBER OF CHAPTER HERE

DATE OF SUBMISSION: EDIT DATE HERE

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import java.util.Scanner;
   public class ArithmeticProg {
      public static void main(String[] args) {
         Scanner os = new Scanner(System.in);
         System.out.print("Enter the first integer: ");
          int num1 = os.nextInt();
          System.out.print("Enter the second integer: ");
          int num2 = os.nextInt();
          int sum = num1 + num2;
          System.out.println("Sum: " + sum);
          int sub = num1 - num2;
         System.out.println("sub: " + sub);
          int multi = num1 * num2;
          System.out.println("multi: " + multi);
          int Modulus = num1 % num2;
          System.out.println("Modulus: " + Modulus);
        int multi = num1 * num2;
        System.out.println("multi: " + multi);
        int Modulus = num1 % num2;
       System.out.println("Modulus: " + Modulus);
        int x = num1;
        ++x;
        System.out.println("Increment : "+x);
       int y = num2;
        --y;
        System.out.println("Decrement : "+y);
       os.close();
```

```
import java.util.Scanner;
 public class User{
    public static void main(String[] args) {
        String name, hobby, fvfood;
        int age ;
        Scanner os = new Scanner (System.in);
        System.out.println("Enter your name :");
        name = os.nextLine();
        System.out.println("Enter your age :");
        age = os.nextInt();
        os.nextLine();
                                                    Output - user (run)
        System.out.println("Enter your hobby :");
                                                   Salvies 🔲
                                                         Enter your name :
        hobby = os.nextLine();
                                                         ARA
        System.out.println("Enter your Fv food :");
                                                         Enter your age :
        fvfood = os.nextLine();
        os.close();
                                                         Enter your hobby :
                                                         READ
        System.out.println("Name : "+name);
                                                         Enter your Fv food:
        System.out.println("Age :"+age);
                                                         AYAM
        System.out.println("Hobby : "+hobby);
                                                         Name :ARA
        System.out.println("Fv food :"+fvfood);
                                                         Age :19
                                                         Hobby : READ
                                                         Fv food :AYAM
                                                         BUILD SUCCESSFUL (total time: 14 seconds)
```

```
2
3
4 import java.util.Scanner;
5 public class UserAge(
6
7 public static voic
8 Scanner os = new 8
int currentyear, a
currentyear = 2024
                 public static void main(String[] args) {
                 Scanner os = new Scanner(System.in);
                 int currentyear, age, birthyear;
                 currentyear = 2024;
11
12
                  System.out.println("Insert your birthyear :");
13
                  birthyear = os.nextInt();
             age = currentyear - birthyear;
System.out.println("Birthyear: " + birthyear);
14
9
16
                  System.out.println("Current year: 2024 ");
17
                  System.out.println("Age: " + age);
18
```

```
— import java.util.Scanner;

   public class Marks{
          public static void main(String[] args) {
          Scanner os = new Scanner(System.in);
          String name, id, subject;
          int marks, test1, test2;
          System.out.println("Enter your name :");
          name = os.nextLine();
          System.out.println("Enter your id :");
          id = os.nextLine();
          System.out.println("Enter your subject :");
          subject = os.nextLine();
          System.out.print("Insert your test1: ");
          test1 = os.nextInt();
          System.out.print("Insert your test2: ");
           test2 = os.nextInt();
          marks = (test1 + test2)/2;
          System.out.println("marks: " +marks);
          System.out.println("Name : " +name);
          System.out.println("Id: " +id);
          System.out.println("Subject: " +subject);
          System.out.println("average marks : " +marks);
```

```
Output-marks (run)

run:
Enter your name:
arain
Enter your id:
swe23070455
Enter your subject:
spg
Insert your test1: 20
Insert your test2: 50
marks: 35
Name: arain
Id: swe23070455
Subject: spg
average marks: 35
BUILD SUCCESSFUL (total time: 19 seconds)
```

```
☐ import java.util.Scanner;
   public class Main
public static void main(String[] args) {
       Scanner os =new Scanner(System.in);
       float price, quantity, totalcost, discount , afterdiscount, discountrate;
       String item;
       System.out.println(" Item = ");
       item = os.nextLine();
       System.out.println("Enter price : ");
          price=os.nextInt();
           System.out.println("Enter quantity: ");
          quantity=os.nextInt();
          totalcost=quantity*price;
           System.out.println("Enter discount rate (%):");
           discountrate = os.nextInt();
           discount= discountrate/100;
           afterdiscount =totalcost-( totalcost*discount);
      System.out.println(" Item :"+item );
      System.out.println("Price of one Item= "+price);
      System.out.println("Total Price = "+totalcost);
      System.out.println("discount = "+discountrate +("%"));
      System.out.println("price after discount = "+afterdiscount);
```

```
Output
\otimes
  price (run) × price (run) #2 ×
   run:
    Item =
   baju
   Enter price :
   Enter quantity:
   Enter discount rate (%):
    50
    Item :baju
   Price of one Item= 5.0
   Total Price = 10.0
    discount = 50.0%
   price after discount = 5.0
   BUILD SUCCESSFUL (total time: 8 seconds)
```

```
import java.util.Scanner;

public class BMI {

   public static void main(String args[]) {

        Scanner os = new Scanner(System.in);
        float weight, height, BMI;

        System.out.print("Input weight in kilogram: ");
        weight = os.nextFloat();

        System.out.print("Input height in meters: ");

        height = os.nextFloat();
        BMI = weight/(height * height);

        System.out.println("The BMI is " +BMI);
    }
}
```

```
Output

price (run) × BMI (run) ×

run:
Input weight in kilogram: 49
Input height in meters: 1.51
The BMI is 21.490286
BUILD SUCCESSFUL (total time: 7 seconds)
```

```
purce material instead in the second of the 
🎍 🗔 import java.util.Scanner;
                public class CompountProg {
     public static void main(String[] args) {
6739012345673901234567390.
                                            Scanner os = new Scanner(System.in);
                                            int num1, x , a , y, c ;
                                             System.out.print("Enter the first integer: ");
                                             num1 = os.nextInt();
                                            x = num1;
                                            x = ++x;
                                            System.out.println("Prefix Increment :"+x);
                                            a = num1;
                                            System.out.println("Postfix Increment :"+a);
                                            y = num1;
                                            y = --y;
                                             System.out.println("Prefix Decrement :"+y);
                                            c = num1;
                                             c = c--;
                                             System.out.println("Postfix Decrement :"+c);
                                            os.close();
                 }
   Output
   \gg
                 price (run) \times
                                                             compountProg (run) \times
   \gg
                   run:
   Enter the first integer: 5
                    Prefix Increment :6
                    Postfix Increment :5
                    Prefix Decrement :4
                    Postfix Decrement :5
                    BUILD SUCCESSFUL (total time: 2 seconds)
```