

1.

Write a program to take two integer inputs from user and print sum and product of them.

Solution:

```
import java.util.Scanner;
class Ans{
    public static void main(String[] args){
        Scanner s = new Scanner(System.in);
        int x = s.nextInt();
        int y = s.nextInt();
        System.out.println(x+y);
    }
}
```

2.

Take two integer inputs from user. First calculate the sum of two then product of two. Finally, print the sum and product of both obtained results.

Solution:

```
import java.util.Scanner;
class Ans{
    public static void main(String[] args){
        Scanner s = new Scanner(System.in);
        int x = s.nextInt();
        int y = s.nextInt();
        int z = x+y;
        int p = x*y;
        System.out.println("Sum : "+z+"\nProduct : "+p);
    }
}
```

3.

Ask user to give two double input for length and breadth of a rectangle and print area type casted to int.

Solution:

```
import java.util.Scanner;
class Ans{
    public static void main(String[] args){
        Scanner s = new Scanner(System.in);
        double x = s.nextDouble();
        double y = s.nextDouble();
        double area = x*y;
        System.out.println((int)area);
    }
}
```

4.

Take name, roll number and field of interest from user and print in the format below :
Hey, my name is xyz and my roll number is xyz. My field of interest are xyz.

Solution:

```
import java.util.Scanner;
class Ans{
    public static void main(String[] args){
        Scanner s = new Scanner(System.in);
        System.out.println("Enter name");
        String a = s.next();
        System.out.println("Enter roll number");
        int b = s.nextInt();
        System.out.println("Enter Filed of interest");
        s.next();//To consume '\n' left by ENTER KEY, it is not consumed by nextInt()
        String c = s.nextLine();
        System.out.println("Hey, my name is "+a+" and my roll number is "+b+". My field of interest are "+c+".");
    }
}
```

5.

Take side of a square from user and print area and perimeter of it.

Solution:

```
import java.util.Scanner;
class Ans{
    public static void main(String[] args){
        Scanner s = new Scanner(System.in);
        System.out.println("Enter side");
        int a = s.nextInt();
        System.out.println("Area : "+(a*a)+"\nPerimeter : "+(4*a));
    }
}
```

6.

Write a program to find square of a number.

E.g.-

INPUT : 2 OUTPUT : 4

INPUT : 5 OUTPUT : 25

7.

Take two different string input and print them in same line. E.g.-

INPUT : Codes

Dope

OUTPUT : CodesDope

8.

Take 3 inputs from user and check :

all are equal

any of two are equal

(use && ||)

Solution:

```
import java.util.Scanner;
class Ans{
    public static void main(String[] args){
        Scanner s = new Scanner(System.in);
        System.out.println("Enter first number");
        int a = s.nextInt();
        System.out.println("Enter second number");
        int b = s.nextInt();
        System.out.println("Enter third number");
        int c = s.nextInt();
        System.out.println("All are equal : "+(a==b&&b==c&&c==a));
        System.out.println("Any two are equal : "+(a==b||b==c||c==a));
    }
}
```

9.

Write a program to enter the values of two variables 'a' and 'b' from keyboard and then check if both the conditions 'a < 50' and 'a < b' are true.

10.

If the marks of Robert in three subjects are entered through keyboard (each out of 100), write a program to calculate his total marks and percentage marks.
