

1. program to find sum of two numbers using scanner class.

```
import java.util.*;
class program1
{
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the first no");
        int a= sc.nextInt();
        System.out.println("Enter the second no");
        int b= sc.nextInt();
        int sum=a+b;
        System.out.println("The sum is="+sum);
    }
}
```

Variable description table

Variable name	Data type	description
a	int	To store first number
b	int	To store second number
sum	int	To store sum

2. // to find largest of 3 numbers

```
import java.util.*;
class largest
{
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the first no");
        int a= sc.nextInt();
        System.out.println("Enter the second no");
        int b= sc.nextInt();
```

```

        System.out.println("Enter the third no");
        int c= sc.nextInt();
        if(a>b&& a>c)
            System.out.println("The largest number is"+a);
        else if(b>a && b>c)
            System.out.println("The largest number is"+b);
        else
            System.out.println("The largest number is"+c);
    }
}

```

Variable description table

Variable name	Data type	description
a	int	To store first number
b	int	To store second number
c	int	To store third number

## Output

Enter the first no

45

Enter the second no

76

The sum is=121

3. Write a program to take values of length and breadth of a rectangle from the user and check if it's a square or not.

```

import java.util.*;
class program3
{
    public static void main(String args[])

```

```

{
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter the length");
    int l= sc.nextInt();
    System.out.println("Enter the breadth");
    int b= sc.nextInt();
    if(l==b)
        System.out.println("it is square");
    else
        System.out.println("it is not square");
}
}

```

Output:

Enter the length

32

Enter the breadth

32

it is square

Variable description table

Variable name	Data type	description
l	int	To store length of a rectangle
b	int	To store breadth of a rectangle

4.//to determine oldest and youngest

```
import java.util.*;
```

```
class oldyoung
```

```
{
```

```
    public static void main(String args[])
```

```
    {
```

```
        Scanner sc=new Scanner(System.in);
```

```
        System.out.println("Enter the age of first person");
```

```

int a= sc.nextInt()
System.out.println("Enter the age of second person");
int b= sc.nextInt();
System.out.println("Enter the age of third person");
int c= sc.nextInt();
if(a>b&& a>c)
System.out.println("The oldest is"+a);
else if(b>a && b>c)
System.out.println("The oldest is"+b);
else
System.out.println("The oldest is"+c);
if(a<b&& a<c)
System.out.println("The youngest is"+a);
else if(b<a && b<c)
System.out.println("The youngest is"+b);
else
System.out.println("The youngest is"+c);
}
}

```

Output:

Enter the age of first person

56

Enter the age of second person

90

Enter the age of third person

34

The oldest is90

The youngest is34

Variable description table

Variable name	Data type	Description
a	int	To store first persons age
b	int	To store second person age
c	int	To store third person age

5. // to check whether the number is a buzz number or not

```
import java.util.*;
```

```
public class BuzzNumberCheck
```

```
{
```

```
    public static void main(String[] args)
```

```
    {
```

```
        Scanner sc = new Scanner(System.in);
```

```
        System.out.println("Enter first number: ");
```

```
        int num1 = sc.nextInt();
```

```
        System.out.println("Enter second number: ");
```

```
        int num2 = sc.nextInt();
```

```
        int product = num1 * num2;
```

```
        System.out.println("Product is="+product);
```

```
        if (product % 10 == 7 || product % 7 == 0)
```

```
        {
```

```
            System.out.println("It is a Buzz Number.");
```

```
        }
```

```
        else
```

```
        {
```

```
            System.out.println("It is NOT a Buzz Number.");
```

```
        }
```

```
    }
```

```
}
```

Enter first number:

5

Enter second number:

7

Product is35

It is a Buzz Number.

Variable description table

Variable name	Data type	Description
num1	Int	To store first number

num2	Int	To store second number
product	Int	To store product of num1 and num2

6.//program to print the corresponding days of numbers using if else if.

```
import java.util.*;
class days
{
    public static void main(String[ ] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter any number(1-7) ");
        int n = sc.nextInt();
        if(n==1)
            System.out.println("Sunday");
        else if(n==2)
            System.out.println("Monday");
        else if(n==3)
            System.out.println("Tuesday");
        else if(n==4)
            System.out.println("Wednesday");
        else if(n==5)
            System.out.println("Thursday");
        else if(n==6)
            System.out.println("Friday");
        else
            System.out.println("Saturday");
    }
}
```

7.// program to check whether the entered character is in uppercase or lowercase

```
import java.util.*;
class lucase
{
```

```
public static void main(String[ ] args)
{
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter any character ");
    Char ch=sc.next().CharAt(0);
    if(ch>='A' && ch<='Z')
        System.out.println("it is a uppercase");
    else if(ch>='a' && ch<='z')
        System.out.println("it is a lowercase");
    else
        System.out.println("invalid");
    }}
}
```