1. Write a Java program to find maximum between three numbers.

```
import java.util.Scanner;
public class Day_1f {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter num1");
        int num1 = scan.nextInt();
        System.out.println("Enter num2");
        int num2 = scan.nextInt();
        System.out.println("Enter num3");
        int num3 = scan.nextInt();
        if (num1 > num2 && num1 > num3) {
            System.out.println("num1 is greater");
        } else {
            if (num2 > num3 && num2 > num1) {
                System.out.println("num2 is greater");
            } else {
                System.out.println("num3 is greater");
            }
        }
    }
}
```

2. Write a Java program to check whether a number is negative, positive or zero.

```
import java.util.Scanner;
public class Day2a {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        int number=scan.nextInt();
        if(number==0){
            System.out.println("zero");
        }
        else if(number>0){
            System.out.println("positive");
        }
        else{
            System.out.println("negative");
        }
    }
}
```

3. Write a Java program to check whether a number is divisible by 5 and 11 or not.

```
import java.util.Scanner;
public class Day2b {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter a number");
        int number = scan.nextInt();
        if (number % 5 == 0) {
            System.out.println("divisible by 5");
        }
        else if(number % 11 == 0) {
            System.out.println("divisible by 11");
        }
```

4. Write a Java program to check whether a year is leap year or not.

```
import java.util.Scanner;
public class Day2c {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter an year");

        int year=scan.nextInt();
        if((year%4==0&&year%100==0)||(year%400==0)){
            System.out.println("leap year");
        }
        else{
            System.out.println("not leap year");
        }
    }
}
```

5.Internals,externals,project fail or pass

```
import java.util.Scanner;
public class Day_1i {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter project marks: ");
        int project=scan.nextInt();
        System.out.println("Enter internal marks: ");
        int internal =scan.nextInt();
        System.out.println("Enter external marks: ");
        int external=scan.nextInt();
        if(project>=50&&internal>=50&&external>=50){
            int total=(70*project)/100 + (20*external)/100 + (10*internal)/100;
        if(total>=90) {
            System.out.println("A grade");
        }
        else if(total>=70) {
            System.out.println("B grade");
        }
        else {
            System.out.println("C grade");
        }
        }
        if(project<50){
            System.out.println("failed in project"+ project);
        }
        if(external<50){
            System.out.println("failed in external"+external);
        }
        if(internal<50){
            System.out.println("failed in internals"+internal);
        }
    }
}
```

6. Write a Java program to input week number and print week day.

```
import java.util.Scanner;
public class Day2d {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter number of the week");
        int number=scan.nextInt();
        String[]
week={"Monday","Tuesday","Wednesday","Thursday","Friday","Saturday","Sunday"};
        System.out.println(week[number]);
    }
}
```

7. Write a Java program to count total number of notes in given amount.

```
import java.util.Scanner;

public class NAGULATM {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter the amount to withdraw");
        int amount = sc.nextInt();
        int n = 100;
        if (amount % n != 0) {
            System.out.println("enter amount in multiples of 500,200,100");
        } else {
            int five = amount / 500;
            int two = amount - (five * 500);
            System.out.print("number of 500 notes: ");
            System.out.println(five);
            int one = two / 200;
            if (one != 0) {
                System.out.print("number of 200 notes: ");
                System.out.println(one);
                int zero = (two - (one * 200));
                int six = zero / 100;
                System.out.print("number of 100 notes: ");
                System.out.println(six);
            } else {
                System.out.print("number of 100 notes: ");
                System.out.println(two/100);
            }
        }
    }
}
```

8. Write a Java program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:

Percentage >= 90%: Grade A

Percentage >= 80%: Grade B

Percentage >= 70%: Grade C

Percentage >= 60%: Grade D

Percentage >= 40%: Grade E

Percentage < 40%: Grade F

```
import java.util.Scanner;
public class Day_1i {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter project marks: ");
        int project=scan.nextInt();
        System.out.println("Enter internal marks: ");
        int internal =scan.nextInt();
        System.out.println("Enter external marks: ");
        int external=scan.nextInt();
        if(project>=50&&internal>=50&&external>=50){
            int total=(70*project)/100 + (20*external)/100 + (10*internal)/100;
        if(total>=90) {
            System.out.println("A grade");
        }
        else if(total>=70) {
            System.out.println("B grade");
        }
        else {
            System.out.println("C grade");
        }
        }
        if(project<50){
            System.out.println("failed in project"+ project);
        }
        if(external<50){
            System.out.println("failed in external"+external);
        }
        if(internal<50){
            System.out.println("failed in internals"+internal);
        }
    }
}
```

9. Write a Java program to input basic salary of an employee and calculate its Gross salary according to following:

Basic Salary <= 10000: HRA = 20%, DA = 80%

Basic Salary <= 20000: HRA = 25%, DA = 90%

Basic Salary > 20000: HRA = 30%, DA = 95%

```
import java.util.Scanner;
public class Day_1g {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter your basic salary: ");
        int basic=scan.nextInt();
        if(basic<=10000){
            int hra=(89*basic)/100;
            int da=(67*basic)/100;
            int gs=basic+hra+da;
            System.out.println("your gross salary is: "+gs);
        }
        if(basic<=20000){
            int hra =(92*basic)/100;
            int da=(70*basic)/100;
            int gs=hra+basic+da;
            System.out.println("your gross salary is: "+gs);
        }
        if(basic>20001){
            int hra=(95*basic)/100;
            int da=(75*basic)/100;
            int gs=hra+da+basic;
            System.out.println("your gross salary is: "+gs);
        }



    }
}
```

10.Electricity

```
import java.util.Scanner;
public class Day2 {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter electricity bill in units");
        int units=scan.nextInt();
        double bill=0;

        if(units<=50){
            bill=units*0.50;
        }
        else if(units<=150) {
            bill=25+(units-50)*0.75;
        }
        else if(units<=250){
           bill=25+75+(units-150)*1.20;
        }
        else{
```

```
            bill=25+75+120+(units-250)*1.50;
        }
        System.out.println("your electricity bill is: "+(bill+(bill*20)/100));
    }
}
```

11.Sum of two numbers

```
import java.util.Scanner;
public class Day_1 {
    public static void main(String[]args){
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter first number: ");
        int number1=scan.nextInt();
        System.out.println("Enter second number: ");
        int number2=scan.nextInt();
        int sum=number1 + number2;
        System.out.println("sum of two numbers: ");
        System.out.println(sum);
    }
}
```

12.Sum and avg of three subjects marks

```
import java.util.Scanner;
public class Day_1a {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter marks of subject1: ");
        int subject1 = scan.nextInt();
        System.out.println("Enter marks of subject2: ");
        int subject2 = scan.nextInt();
        System.out.println("Enter marks of subject3: ");
        int subject3 = scan.nextInt();
        int sum = subject1+subject2+subject3;
        int avg = sum/3;
        System.out.println("Sum of your marks: "+sum);
        System.out.println("Avg of your marks: "+avg);
    }
}
```

13.Shopping

```
import java.util.Scanner;
public class Day_1h {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter 3 shop_list: ");
        int shop_list1 =scan.nextInt();
        int shop_list2 =scan.nextInt();
        int shop_list3 =scan.nextInt();
        System.out.println("Enter salary: ");
        int salary =scan.nextInt();
        int sum=shop_list1+shop_list2+shop_list3;
```

```
        System.out.println("your total shopping spent: "+sum);
        int spent =(sum*100)/salary;
        System.out.println("your salary spent on shopping is: "+spent+"%");
    }
}
```

14.Eligible to vote or not

```
import java.util.Scanner;
public class Day_1e {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter your age: ");
        int age=scan.nextInt();
        if(age>=18){
            System.out.println("eligible to vote");
        }
        else{
            System.out.println("Not eligible to vote");
        }

    }
}
```

15.Subject pass or fail

```
import java.util.Scanner;
public class Day_1d {
    public static void main(String[] args) {
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter marks: ");
        int marks=scan.nextInt();
        if(marks>=50){
            System.out.println("passed");
        }
        else{
            System.out.println("failed");
        }

    }
}
```

16.Even or Odd

```
import java.util.Scanner;
public class Day_1c {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter a number: ");
        int number = scan.nextInt();
        if (number % 2 == 0) {
            System.out.println("The entered number is even");
        } else {
            System.out.println("The entered number is odd");
        }
    }
```

```
}
```