Problem 1:

import java.util.Scanner;

public class Prb\_1{

    public static void main(String[] *args*) {

        Scanner sc = new Scanner(System.in);

        Integer monthNo;

        System.out.println("Enter Your Month Number:");

        monthNo=sc.nextInt();

        switch(monthNo){

            case 1:

            System.out.println("Month Is January Total Day 31");

            break;

            case 2:

            System.out.println("Month Is February Total Day 28");

            break;

            case 3:

            System.out.println("Month Is March Total Day 31");

            break;

            case 4:

            System.out.println("Month Is April Total Day 30");

            break;

            case 5:

            System.out.println("Month Is May Total Day 31");

            break;

            case 6:

            System.out.println("Month Is June Total Day 30");

            break;

            case 7:

            System.out.println("Month Is July Total Day 31");

            break;

            case 8:

            System.out.println("Month Is August Total Day 31");

            break;

            case 9:

            System.out.println("Month Is September Total Day 30");

            break;

            case 10:

            System.out.println("Month Is October Total Day 31");

            break;

            case 11:

            System.out.println("Month Is November Total Day 30");

            break;

            case 12:

            System.out.println("Month Is December Total Day 31");

            break;

            default:

            System.out.println("Error In Your Input");

            break;

        }

        sc.close();

    }

}

Problem 2:

import java.util.Scanner;

public class Prb\_2 {

    public static void main(String[] *args*) {

        Scanner sc = new Scanner(System.in);

        Integer amount;

        Integer note1k=0,note500=0,note100=0,note50=0,note20=0,note10=0,note5=0,note2=0,note1=0;

        System.out.println("Enter Your Amount:");

        amount=sc.nextInt();

        while(amount!=0)

        {

            if(amount>=1000)

            {

                note1k=amount/1000;

                amount=(amount/1000)-note1k\*1000;

            }

            else if(amount>=500)

            {

                note500=amount/500;

                amount=(amount/500)-note500\*500;

            }

            else if(amount>=100)

            {

                note100=amount/100;

                amount=(amount/100)-note100\*100;

            }

            else if(amount>=50)

            {

                note50=amount/50;

                amount=(amount/50)-note50\*50;

            }

            else if(amount>=20)

            {

                note20=amount/50;

                amount=(amount/50)-note20\*20;

            }

            else if(amount>=10)

            {

                note10=amount/10;

                amount=(amount/10)-note10\*10;

            }

            else if(amount>=5)

            {

                note5=amount/5;

                amount=(amount/5)-note5\*5;

            }

            else if(amount>=2)

            {

                note2=amount/2;

                amount=(amount/2)-note2\*2;

            }

            if(amount>=1)

            {

                note1=amount/1;

                amount=(amount/1)-note1\*1;

            }

        }

        System.out.println("Number Of 1000 Taka "+note1k+" piece");

        System.out.println("Number Of 500 Taka "+note500+" piece");

        System.out.println("Number Of 100 Taka "+note100+" piece");

        System.out.println("Number Of 50 Taka "+note50+" piece");

        System.out.println("Number Of 20 Taka "+note20+" piece");

        System.out.println("Number Of 10 Taka "+note10+" piece");

        System.out.println("Number Of 5 Taka "+note5+" piece");

        System.out.println("Number Of 2 Taka "+note2+" piece");

        System.out.println("Number Of 1 Taka "+note1+" piece");

        sc.close();

    }

}

Problem 3:

import java.util.Scanner;

public class Prb\_3 {

    public static void main(String[] *args*) {

        Scanner sc = new Scanner(System.in);

        Double side1,side2,side3;

        System.out.println("Enter Your Triangle 1st Side:");

        side1=sc.nextDouble();

        System.out.println("Enter Your Triangle 2nd Side:");

        side2=sc.nextDouble();

        System.out.println("Enter Your Triangle 3rd Side:");

        side3=sc.nextDouble();

        if(side1==0 || side2 ==0 || side3==0)

        {

            System.out.println("Triangle is not Valid");

        }

        else if(side1==side2 && side2==side3)

        {

            System.out.println("Equilateral Triangle");

        }

        else if(side1==side2 || side1==side3 || side2==side3)

        {

            System.out.println("Isosceles Triangle");

        }

        else{

            System.out.println("Scalene Triangle");

        }

        sc.close();

    }

}

Problem 4:

import java.util.Scanner;

public class Prb\_4 {

    public static void main(String[] *args*) {

        Scanner sc = new Scanner(System.in);

        Integer number;

        System.out.println("Enter The Number");

        number=sc.nextInt();

        Integer m=1;

        for(int i=1;i<=10;i++){

            for(int j=0;j<5;j++)

            {

                System.out.print(number\*m+" ");

                m++;

            }

            System.out.println();

        }

        sc.close();

    }

}

Problem 5:

import java.util.Scanner;

public class Prb\_5 {

    public static void main(String[] *args*) {

        Scanner sc = new Scanner(System.in);

        Integer input;

        System.out.println("Enter Your Number:");

        input=sc.nextInt();

        if(input%2==0 && input%5==0)

        {

            System.out.println("Your Number Is Divisible By 2 and 5");

        }

        else{

            System.out.println("Your Number Is Not Divisible By 2 and 5");

        }

        sc.close();

    }

}

Problem 6:

import java.util.Scanner;

public class Prb\_6 {

    public static void main(String[] *args*) {

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter any caracter : ");

        char ch = sc.next().charAt(0);

*// Using character class*

        if((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'Z')) {

            System.out.println(ch + " is A ALPHABET.");

       } else if(ch >= '0' && ch <= '9') {

            System.out.println(ch + " is A DIGIT.");

       } else {

            System.out.println(ch + " is A SPECIAL CHARACTER.");

       }

        sc.close();

    }

}

Problem 7:

import java.util.Scanner;

public class Prb\_7 {

    public static void main(String[] *args*) {

        Scanner sc = new Scanner(System.in);

        Double physics,chemistry,biology,math,computer;

        System.out.println("Enter Your Physics Number:");

        physics=sc.nextDouble();

        System.out.println("Enter Your Chemistry Number:");

        chemistry=sc.nextDouble();

        System.out.println("Enter Your Biology Number:");

        biology=sc.nextDouble();

        System.out.println("Enter Your Mathmatics Number:");

        math=sc.nextDouble();

        System.out.println("Enter Your Computer Number:");

        computer=sc.nextDouble();

        Double totalPercentage = ((physics+chemistry+biology+math+computer)/500)\*100;

        if(totalPercentage>=90)

        {

            System.out.println("Your Grade is  A");

        }

        else if(totalPercentage>=80)

        {

            System.out.println("Your Grade is  B");

        }

        else if(totalPercentage>=70)

        {

            System.out.println("Your Grade is  C");

        }

        else if(totalPercentage>=60)

        {

            System.out.println("Your Grade is  D");

        }

        else if(totalPercentage>=40)

        {

            System.out.println("Your Grade is  E");

        }

        else{

            System.out.println("Your Grade is  F");

        }

    }

}

Problem 8:

import java.util.Scanner;

public class Prb\_8 {

    public static void main(String[] *args*) {

        Scanner sc = new Scanner(System.in);

        Integer option;

        Double input;

        System.out.println("Enter Your Option:");

        System.out.println("1.Fahrenheit To Celsius");

        System.out.println("2.Celsius To Fahrenheit");

        option=sc.nextInt();

        switch(option)

        {

            case 1:

            System.out.println("Enter Temperature in Fahrenheit:");

            input=sc.nextDouble();

            System.out.println("In Celsius That is:"+(5.0/9.0\*(input-32.0)));

            break;

            case 2:

            System.out.println("Enter Temperature in Celsius:");

            input=sc.nextDouble();

            System.out.println("In Fahrenheit That is:"+(9.0/50.\*(input+32.0)));

            break;

        }

    }

}