

1)

```
package hangmangame;

import java.util.Scanner;

public class HangmanGame {

    public void playGame()
    {
        System.out.println("Play");
    }

    public void instructGame()
    {
        System.out.println("  Music");
        System.out.println("ON      Off");
    }

    public void exitGame() {
        System.out.println("Exit");
    }

    public static void main(String[] args) {
        int a;

        HangmanGame o1=new HangmanGame();

        System.out.println("Enter your first choice");

        Scanner s1=new Scanner(System.in);

        a=s1.nextInt();

        switch(a)
        {
            case 1:o1.playGame();

                break;

            case 2:o1.instructGame();

                break;
        }
    }
}
```

```

        case 3:o1.exitGame();

        break;

    }

}

}

```

output:

Enter your choice

1

Play

Enter your first choice

2

Music

ON Off

Enter your choice

3

Exit

1)

```
package leapyear;
```

```
import java.util.Scanner;
```

```
public class LeapYear {
```

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

```
        // TODO Auto-generated method stub
```

```
        int year;
```

```
        System.out.println("Enter the year: ");
```

```

Scanner s1=new Scanner(System.in);

year=s1.nextInt();

if(year%4==0)
{
    System.out.println("Leap year");
}
else
{
    System.out.println("Not a leap year ");
}
}

```

output:

Enter the year:

2020

Leap year

Enter the year

2021

Not a leap year

2)

```
package student;
```

```
import java.util.Scanner;
```

```
public class StudentMark {
```

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

```
// TODO Auto-generated method stub

int RollNo;

System.out.println("Enter the roll number: ");

Scanner s1=new Scanner(System.in);

RollNo=s1.nextInt();

System.out.println("Roll number: "+RollNo);

String Name;

System.out.println("Enter the name: ");

Scanner s2=new Scanner(System.in);

Name=s2.next();

System.out.println("The name: "+Name);

int M1;

System.out.println("Enter the marks in physics: ");

Scanner s3=new Scanner(System.in);

M1=s3.nextInt();

System.out.println("The marks in physics: "+M1);

int M2;

System.out.println("Enter the marks in chemistry: ");

Scanner s4=new Scanner(System.in);

M2=s4.nextInt();

System.out.println("The marks in chemistry: "+M2);

int M3;

System.out.println("Enter the marks in C.S: ");

Scanner s5=new Scanner(System.in);

M3=s5.nextInt();

System.out.println("The marks in C.S: "+M3);

int total=(M1+M2+M3);

System.out.println("The total marks: "+total);
```

```
float percentage=(M1+M2+M3)*0.333f;

System.out.println("The total percentage: "+percentage);

if(percentag>=80)
{
    System.out.println("First class");
}

else if(percentag>=60)
{
    System.out.println("Second class");
}

else if(percentag>=35)
{
    System.out.println("third class");
}

else
{
    System.out.println("fail");
}

}
```

output:

1)Enter the roll number:

784

Roll number: 784

Enter the name:

Aakash

The name: Aakash

Enter the marks in physics:

70

The marks in physics: 70

Enter the marks in chemistry:

80

The marks in chemistry: 80

Enter the marks in C.S:

90

The marks in C.S: 90

The total marks: 240

The total percentage: 79.92

Second class

2)

Enter the roll number:

100

Roll number: 100

Enter the name:

arun

The name: arun

Enter the marks in physics:

28

The marks in physics: 28

Enter the marks in chemistry:

30

The marks in chemistry: 30

Enter the marks in C.S:

23

The marks in C.S: 23

The total marks: 81

The total percentage: 26.973

fail

3)

```
package temperature;
```

```
import java.util.Scanner;
```

```
public class Temperature {
```

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

```
        // TODO Auto-generated method stub
```

```
        int temp;
```

```
        System.out.println("Enter the temperature: ");
```

```
        Scanner s1=new Scanner(System.in);
```

```
        temp=s1.nextInt();
```

```
        if(temp>=30)
```

```
        {
```

```
            System.out.println("HOT");
```

```
        }
```

```
        else
```

```
        {
```

```
            System.out.println("COLD");
```

```
        }
```

```
    }
```

```
}
```

output:

Enter the temperature:

45

HOT

Enter the temperature:

-7

COLD

4)

```
package charector;
```

```
import java.util.Scanner;
```

```
public class Charector {
```

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

```
        // TODO Auto-generated method stub
```

```
        char ch;
```

```
        System.out.println("enter the charector: ");
```

```
        Scanner s1=new Scanner(System.in);
```

```
        ch=s1.next().charAt(0);
```

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

```
        {
```

```
            System.out.println("Charector is an alphabet");
```

```
        }
```

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

```
        {
```



```

        System.out.println("Charector is a digit");
    }

    else
    if(ch=='!' || ch=='@' || ch=='#' || ch=='$' || ch=='%' || ch=='^' || ch=='&' || ch=='*')
    {
        System.out.println("Charector is a special charector");
    }

    else
    {
        System.out.println("invalid");
    }
}
}

```

output:

1)enter the charector:

j

Charector is an alphabet

2)

enter the charector:

7

Charector is a digit

3)

enter the charector:

&

Charector is a special charector

5)

```
package grade;

import java.util.Scanner;

public class Grade {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        char ch;

        System.out.println("enter the charector: ");

        Scanner s1=new Scanner(System.in);

        ch=s1.next().charAt(0);

        switch(ch)
        {

            case 'E':System.out.println("Exelent");

                break;

            case 'V':System.out.println("Very Good");

                break;

            case 'G':System.out.println("Good");

                break;

            case 'A':System.out.println("Average");

                break;

            case 'F':System.out.println("Fail");

                break;

            default:System.out.println(    );

        }

    }

}
```

```
}
```

output:

enter the charector:

A

Average

6)

```
package day;
```

```
import java.util.Scanner;
```

```
public class Day {
```

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

```
        // TODO Auto-generated method stub
```

```
        int a;
```

```
        System.out.println("enter the choice: ");
```

```
        Scanner s1=new Scanner(System.in);
```

```
        a=s1.nextInt();
```

```
        switch(a)
```

```
{
```

```
    case 1: System.out.println("MONDAY");
```

```
        break;
```

```
    case 2: System.out.println("TUESDAY");
```

```
        break;
```

```
    case 3: System.out.println("WEDNESDAY");
```

```
        break;
```

```
    case 4: System.out.println("THURSDAY");
```

```
        break;
```

```

        case 5: System.out.println("FRIDAY");
            break;
        case 6: System.out.println("SATURDAY");
            break;
        case 7: System.out.println("SUNDAY");
            break;
        default: System.out.println(    );
    }
}
}

```

output:

enter the choice:

1

MONDAY

7)

package month;

import java.util.Scanner;

public class Month {

```

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        String month1;
        System.out.println("enter the month: ");
        Scanner s1=new Scanner(System.in);
        month1=s1.next();
    }
}

```

```
        switch(month1)
        {
            case "january":
            case "march":
            case "may":
            case "july":
            case "agust":
            case "october":
            case "december":System.out.println("31 Days");
                break;
            case "april":
            case "june":
            case "september":
            case "november":System.out.println("30 Days");
                break;
            case "february":System.out.println("28 Days");
                break;
            default:System.out.println(    );
        }
    }
}
```

output:

1)

enter the month:

july

31 Days

2)

enter the month:

june

30 Days

3)

enter the month:

february

28 Days

4)

enter the month:

aaja

invalid
