

1 // Write a program that takes a numerical grade as input and outputs the corresponding letter

2 grade using if-else statements.*/

3 package in.acts.cdac;

4 import java.util.Scanner;

5 public class program1 {

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

7 int grade;

8 System.out.println("Enter the grade:");

9 Scanner s = new Scanner(System.in);

10 grade=s.nextInt();

11 if(grade>=60) {

12 System.out.println("A");

13 }

14 else if(grade<=45) {

15 System.out.println("B");

16 }

17 else{

18 System.out.println("C");

19 }

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1 10 /*1)Write a program that takes a number representing a weekday (1-7) and prints the name of the
2 weekday using switch-case. */
3 package in.acts.cdac;
4 import java.util.Scanner;
5 public class program{
6
7     public static void main(String[] args) {
8         System.out.println("Enter the number:");
9         Scanner sc=new Scanner(System.in);
10        int num;
11        num=sc.nextInt();
12        if(num==1) {
13            System.out.println("Sunday");
14        }
15        else if(num==2) {
16            System.out.println("Monday");
17        }
18        else if(num==3) {
19            System.out.println("Tuesday");
20        }
21        else if(num==4) {
22            System.out.println("Wednesday");
23        }
24        else if(num==5) {
25            System.out.println("Thursday");
26        }
27        else if(num==6) {
28            System.out.println("friday");
29        }
30        else if(num==7) {
31            System.out.println("Saturday");
32        }
33    }
34 }

```

Problems javadoc Declaration ☒ Console x

<terminated> program [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (16-Mar-2024, 4:56:10 pm - 4:56:17 pm) [pid: 5068]

Enter the number:

Sunday

```
1 /*6) Implement a program that calculates the Body Mass Index (BMI) based on height and weight
2 input using if-else to classify the BMI into categories (underweight, normal weight, overweight,
3 etc.)*/
```

```

3 package in.acts.cdac;
5 import java.util.Scanner;
6 public class program {
7
8     public static void main(String[] args) {
9         System.out.println("Enter the weight:");
10        Scanner sc=new Scanner(System.in);
11        int w;
12        w=sc.nextInt();
13        System.out.println("Enter the height:");
14        int h;
15        h=sc.nextInt();
16        int BMI=w/h;
17        System.out.println("BMI is:"+BMI);
18        if(BMI<18.5) {
19            System.out.println("underweight");
20        }
21        else if(BMI>=24.9 &&BMI<30) {
22            System.out.println("overweight");
23        }
24        else{
25            System.out.println("Normal weight");
26        }
27    }
28 }

```

Problems Javadoc Declaration Console X

Enter the weight:

Enter the hight:

BMI is:10

underweight