

Ragini Yadav.

pgdac-kharghar august 2025 batch

java Assignment 1.b

```
import java.util.Scanner;
class Second10Que
{
    public static void que11()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter percent :");
        int percent=sc.nextInt();
        if(percent>90)
        {
            System.out.println("A+");
        }
        if(percent>76 && percent<89)
        {
            System.out.println("A");
        }
        if(percent>66 && percent<75)
        {
            System.out.println("B+");
        }
        if(percent>51 && percent<65)
        {
            System.out.println("B");
        }
        if(percent>36 && percent<50)
        {
            System.out.println("C");
        }
        if(percent<35)
        {
            System.out.println("fail");
        }
    }

    public static void que12()
    {
        int fd1,fd2,fd3;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter age of Friend 1:");
        fd1=sc.nextInt();
        System.out.println("Enter age of Friend 2:");
```

```
fd2=sc.nextInt();
System.out.println("Enter age of Friend 3:");
fd3=sc.nextInt();
if(fd1>0 && fd2>0 && fd3>0)
{
    if(fd1>fd2 && fd1>fd3)
    {
        System.out.println("Oldest : Friend 1");
        if(fd2<fd3)
            System.out.println("Youngest : Friend 2");
        else
            System.out.println("Youngest : Friend 3");
    }
    if(fd2>fd3 && fd2>fd1)
    {
        System.out.println("Oldest : Friend 2");
        if(fd3<fd1)
            System.out.println("Youngest : Friend 3");
        else
            System.out.println("Youngest : Friend 1");
    }
    if(fd3>fd1 && fd3>fd2)
    {
        System.out.println("Oldest : Friend 3");
        if(fd2<fd1)
            System.out.println("Youngest : Friend 2");
        else
            System.out.println("Youngest : Friend 1");
    }
}
}

public static void que13()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("Write a total held classes :");
    int heldclasses=sc.nextInt();
    System.out.println("Total attended classes :");
    int totattend=sc.nextInt();
    System.out.println("medical cause (Y/N):");
    char medical=sc.next().charAt(0);
    if((totattend/heldclasses)*100>75)
    {
        System.out.println("Student is allowed to sit for the exam");
    }
    if((totattend/heldclasses)*100<75)
    {

```

```
        if(medical=='y' || medical=='Y')
        {
            System.out.println("Student is allowed to sit for the exam");
        }
        if(medical=='n' || medical=='N')
        {
            System.out.println("Student is not allowed to sit for the
exam");
        }
    }
}

public static void que14()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("enter a 4 digit number :");
    int num=sc.nextInt();
    for(int i=0;i<=num;i++)
    {
        int lastdigit=num%10;
        System.out.print(lastdigit);
        num=num/10;
    }
}

public static void que15()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("enter a 4 digit number :");
    String num = sc.nextLine();
    if((num.charAt(0)+num.charAt(1))==(num.charAt(2)+num.charAt(3)))
    {
        System.out.println("lucky num");
    }

    if((num.charAt(0)+num.charAt(1))!=(num.charAt(2)+num.charAt(3)))
    {
        System.out.println("not lucky num");
    }
}

public static void que16()
{
    if(ch=='a' || ch=='i' || ch=='e' || ch=='o' || ch=='u')
    {
        System.out.println("vowels");
    }
    else{
        System.out.println("consonant");
    }
}
```

```
}
public static void que17()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("write a number : ");
    int num=sc.nextInt();
    if(num%2==0 && num%3==0 && num%5==0)
    {
        System.out.println("divisible by 2 ");
        System.out.println("divisible by 3 ");
        System.out.println("divisible by 5 ");
    }
}
public static void que18()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter day number: ");
    int num=sc.nextInt();
    switch(num)
    {
        case 1:
            System.out.println("mon");
            break;
        case 2:
            System.out.println("tue");
            break;
        case 3:
            System.out.println("wed");
            break;
        case 4:
            System.out.println("thu");
            break;
        case 5:
            System.out.println("fri");
            break;
        case 6:
            System.out.println("sat");
            break;
        case 7:
            System.out.println("sun");
            break;
        default:
            System.out.println("enter valid number");
    }
}

public static void que19()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter day number: ");
    int num=sc.nextInt();
```

```
        switch(num)
        {
            case 1:
                System.out.println("31");
                break;
            case 2:
                System.out.println("28 & 29");
                break;
            case 3:
                System.out.println("31");
                break;
            case 4:
                System.out.println("30");
                break;
            case 5:
                System.out.println("31");
                break;
            case 6:
                System.out.println("30");
                break;
            case 7:
                System.out.println("31");
                break;
            case 8:
                System.out.println("30");
                break;
            case 9:
                System.out.println("31");
                break;
            case 10:
                System.out.println("30");
                break;
            case 11:
                System.out.println("31");
                break;
            case 12:
                System.out.println("30");
                break;
            default:
                System.out.println("enter valid number");
        }
    }

    public static void que20()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("num 1");
        int num1=sc.nextInt();
        System.out.println("num 2");
        int num2=sc.nextInt();
        System.out.println("enter operator *, /, +, -");
        char opert = sc.next().charAt(0);
        int result;
```

```
        if(opert=='*')
        {
            result = num1*num2;
            System.out.println(result);
        }
        else if(opert=='/')
        {
            result = num1/num2;
            System.out.println(result);
        }
        else if(opert=='+')
        {
            result=num1+num2;
            System.out.println(result);
        }
        else if(opert=='-')
        {
            result=num1-num2;
            System.out.println(result);
        }
    }

    public static void que21()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter a day number : ");
        int num = sc.nextInt();
        String result = (num==1)?"mon":
            (num==2)?"tue":
            (num==3)?"wed":
            (num==4)?"thu":
            (num==5)?"fri":
            (num==6)?"sat":
            (num==7)?"sun":"enter valide number";
        System.out.println(result);
    }

    public static void que22()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter a day number : ");
        int num = sc.nextInt();
        String result = (num==1)?"jan":
            (num==2)?"feb":
            (num==3)?"march":
            (num==4)?"april":
            (num==5)?"may":
            (num==6)?"june":
            (num==7)?"july":
            (num==8)?"Aug":
            (num==9)?"sep":
            (num==10)?"oct":
            (num==11)?"nov":
```

```
                (num==12)?"dec":"enter valide number";
        System.out.println(result);

    }

    public static void que23()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("num 1");
        int num1=sc.nextInt();
        System.out.println("num 2");
        int num2=sc.nextInt();
        System.out.println("enter operator *, /, +, -");
        char opert = sc.next().charAt(0);
        int result;
        switch(opert)
        {
            case '+':
                System.out.println(num1+num2);
                break;
            case '*':
                System.out.println(num1*num2);
                break;
            case '-':
                System.out.println(num1-num2);
                break;
            case '/':
                System.out.println(num1/num2);
                break;
            default:
                System.out.println("enter valid number");
        }
    }

    /*
    public static void que24()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter marks : ");
        int num=sc.nextInt();
        switch(num)
        {
            case 0 ... 24:
                System.out.println("F");
                break;
            case 25 ... 44:
                System.out.println("E");
                break;
            case 45 ... 54:
                System.out.println("D");
                break;
            case 55 ... 69:
                System.out.println("C");
                break;
        }
    }
    */
```

```
        case 70 ... 84:
            System.out.println("B");
            break;
        case 85 ... 100:
            System.out.println("A");
            break;
        default:
            System.out.println("enter valid number ");
    }
}

*/
public static void que25()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("enter marks : ");
    int num=sc.nextInt();
    switch(num)
    {
        case 1:
            System.out.println("u entered number 1");
            break;
        case 2:
            System.out.println("u entered number 2");
            break;
        case 3:
            System.out.println("u entered number 3");
            break;
        case 4:
            System.out.println("u entered number 4");
            break;
        case 5:
            System.out.println("u entered number 5");
            break;
        default:
            System.out.println("enter a valide number");
    }
}

public static void que26()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter month number: ");
    int num=sc.nextInt();
    if(num==1 || num==2 || num==12)
    {
        System.out.println("winter");
    }
    else if(num==3 || num==4 || num==5)
    {
        System.out.println("Summer");
    }
    else if(num==6 || num==7 || num==8)
    {

```



```
        System.out.println("Monsoon");
    }
    else if(num==9 || num==10 || num==11)
    {
        System.out.println("Autumn");
    }
}

public static void que27()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter a character: ");
    char ch = sc.next().charAt(0);

    switch(ch)
    {
        case 'A':
            System.out.println("u selected A ");
            break;
        case 'B':
            System.out.println("u selected B ");
            break;
        case 'C':
            System.out.println("u selected C ");
            break;
        case 'D':
            System.out.println("u selected D ");
            break;
        case 'E':
            System.out.println("u selected E ");
            break;
        case 'F':
            System.out.println("u selected F ");
            break;
        default:
            System.out.println("enter a valide character");
    }
}

public static void que28()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter traffic light color: ");
    String st = sc.next();
    switch(st)
    {
        case "red":
            System.out.println("Stop");
            break;
        case "green":
            System.out.println("Go");
            break;
        case "yellow":
            System.out.println("Ready");
            break;
    }
}
```

```
    }  
  
}  
  
public static void que29()  
{  
    Scanner sc = new Scanner(System.in);  
    System.out.println("Enter day type (1-Workday, 2-Weekend): ");  
    int num=sc.nextInt();  
    if(num==1 || num==2)  
    {  
        if(num==1)  
        {  
            System.out.println("It's work today. No weekend.");  
        }  
        if(num==2)  
        {  
            System.out.println("It's weekend. No work today.");  
        }  
    }  
    else{  
        System.out.println("enter a valid num");  
    }  
}  
  
public static void que30()  
{  
    Scanner sc = new Scanner(System.in);  
    System.out.println("Enter (1-addition, 2-substraction): ");  
    int num=sc.nextInt();  
    System.out.println("enter first number");  
    int num1=sc.nextInt();  
    System.out.println("enter second number ");  
    int num2=sc.nextInt();  
  
    if(num==1 || num==2)  
    {  
        if(num==1)  
        {  
            int add = num1+num2;  
            System.out.println(add);  
        }  
        if(num==2)  
        {  
            int sub = num1-num2;  
            System.out.println(sub);  
        }  
    }  
    else{  
        System.out.println("enter a valid num");  
    }  
}
```

```
    }  
    public static void main(String args[])  
    {  
        //que11();  
        //que12();  
        //que13();  
        //que14();  
        //que15();  
        //que16();  
        //que17();  
        //que18();  
        //que19();  
        //que20();  
        //que21();  
        //que22();  
        //que23();  
        //que24();  
        //que25();  
        //que26();  
        //que27();  
        //que28();  
        //que29();  
        //que30();  
    }  
}
```