

USN:1BM21CS222

NAME:SUBRAMANYA L

```
import java.util.Scanner;

class student
{
    String usn,name;
    int cred[]=new int [6];
    int marks[]=new int [6];

    Scanner sc=new Scanner(System.in);

    void accept()
    {
        System.out.println("Enter usn of the student:");
        usn=sc.next();

        System.out.println("Enter the name of the student:");
        name=sc.next();

        System.out.println("Enter the credits:");
        for(int i=0;i<6;i++)
        {
            cred[i]=sc.nextInt();
        }

        System.out.println("Enter the marks:");
        for(int i=0;i<6;i++)
        {
            marks[i]=sc.nextInt();
        }
    }

    void display()
    {
        System.out.println("Name: "+name);
        System.out.println("Usn: "+usn);
    }
}
```

```

        System.out.println("Credits: ");
        for(int i=0;i<6;i++)
        {
            System.out.println(cred[i]);
        }
        System.out.println("Marks: ");
        for(int i=0;i<6;i++)
        {
            System.out.println(marks[i]);
        }
    }
    float calc_cgpa()
    {
        int sum=0;
        float p=0;
        float gpa;
        int g[]=new int[6];
        for(int i=0;i<6;i++)
        {
            sum=sum+cred[i];
            if(marks[i]>90 && marks[i]<=100)
            {
                p=p+(cred[i]*10);
            }
            else if(marks[i]>80 && marks[i]<=90)
            {
                p=p+(cred[i]*9);
            }
            else if(marks[i]>70 && marks[i]<=80)
            {
                p=p+(cred[i]*8);
            }
        }
    }
}

```

```

    }
    else if(marks[i]>60 && marks[i]<=70)
    {
        p=p+(cred[i]*7);
    }
    else if(marks[i]>50 && marks[i]<=60)
    {
        p=p+(cred[i]*6);
    }
    else if(marks[i]>40 && marks[i]<=50)
    {
        p=p+(cred[i]*5);
    }
    else
    {
        p=p+(cred[i]*0);
    }

}

gpa=p/20;
return(gpa);
}
}

```

class program

```

{
public static void main(String args[])
{
    float cgpa;
    student s1=new student();
    s1.accept();
}
}

```

```
s1.display();  
cgpa=s1.calc_cgpa();  
System.out.println("CGPA: "+cgpa);
```

```
}
```

```
}
```

CA\ Command Prompt

```
19-11-2022 00:31 <DIR> obj
24-11-2022 00:56 3,639 Part1.class
                4 File(s) 7,827 bytes
                4 Dir(s) 165,568,004,096 bytes free

C:\Users\Admin\Desktop\hi>javac 1bm21cs222_sgpa.java

C:\Users\Admin\Desktop\hi>java program
Enter usn of the student:
1BM21CS222
Enter the name of the student:
sushma
Enter the credits:
3
4
3
3
4
3
Enter the marks:
78
92
69
79
95
97
Name: sushma
Usn: 1BM21CS222
Credits:
3
4
3
3
4
3
Marks:
78
92
69
79
95
97
CGPA: 8.95

C:\Users\Admin\Desktop\hi>
```