

Quadratic - Notepad

File Edit Format View Help

```
import java.util.*;
class Quadratic
{
    public static void main(String [] arg)
    {
        Scanner s =new Scanner(System.in);
        System.out.println("Enter a,b,c of the equation ax^2+bx+c=0:");
        double a=s.nextDouble();
        double b=s.nextDouble();
        double c=s.nextDouble();
        double d=b*b-4.0*a*c;
        double roots1,roots2;
        System.out.println(d);
        if(d>0)
        {
            System.out.println("roots are real and unequal");
            roots1=(-b+Math.sqrt(d))/(2.0*a);
            roots2=(-b+Math.sqrt(d))/(2.0*a);
            System.out.println("root1 :"+roots1+" root2:"+roots2);
        }
        else if(d==0)
        {
            System.out.println("Roots are real and equal ");
            roots1=(-1*b)/(2*a);
            roots2=roots1;
            System.out.println("root1: "+roots1+"root2:"+roots2);
        }
        else
        {
            System.out.println("roots are imaginary ");
        }
    }
}
```



Windows taskbar and status bar. The taskbar includes the Start button, a search bar with the text "Type here to search", and several application icons: File Explorer, Microsoft Word, Outlook, and Google Chrome. The status bar shows the current cursor position as "Ln 1, Col 1", zoom level as "100%", window title as "Windows (CRLF)", encoding as "UTF-8", and the system clock showing "4:16 PM 8/24/2021".

Select Command Prompt

```
C:\Users\Vidhu>cd desktop
```

```
C:\Users\Vidhu\Desktop>cd java
```

```
C:\Users\Vidhu\Desktop\java>set path="C:\Program Files\Java\jdk1.8.0_261\bin"
```

```
C:\Users\Vidhu\Desktop\java>javac Quadratic.java
```

```
C:\Users\Vidhu\Desktop\java>java Quadratic
```

```
Enter a,b,c of the equation  $ax^2+bx+c=0$ :
```

```
1 2 4
```

```
-12.0
```

```
roots are imaginary
```

```
C:\Users\Vidhu\Desktop\java>java Quadratic
```

```
Enter a,b,c of the equation  $ax^2+bx+c=0$ :
```

```
1 -4 -2
```

```
24.0
```

```
roots are real and unequal
```

```
root1 :-0.4494897427831779 root2:4.449489742783178
```

```
C:\Users\Vidhu\Desktop\java>java Quadratic
```

```
Enter a,b,c of the equation  $ax^2+bx+c=0$ :
```

```
4 6 -2
```

```
68.0
```

```
roots are real and unequal
```

```
root1 :-1.7807764064044151 root2:0.28077640640441515
```

```
C:\Users\Vidhu\Desktop\java>
```



Type here to search



Links



ENG

3:58 PM  
8/24/2021



Studentmain (1) - Notepad

File Edit Format View Help

```
import java.util.*;
class Student
{
String usn;
String name;
private int n,credits[],marks[],gp[];
double sum,sgpa;

Student()
{
name="xyz";
usn="0";
}

void accept()
{
Scanner s1=new Scanner(System.in);
System.out.println("Enter the usn and name");
usn=s1.next();
name=s1.next();
System.out.println("Enter number of subjects");
n=s1.nextInt();
credits=new int[n+1];
marks=new int[n+1];
System.out.println("Enter the credits and marks in each subject");
for(int i=1;i<=n;i++)
{
System.out.println("Enter the credits and marks in subject "+i);
credits[i]=s1.nextInt();
marks[i]=s1.nextInt();
}
}

void calculate()
{
gp=new int[n+1];
int a=0;
for(int i=1;i<=n;i++)
{
if(marks[i]>=90)
gp[i]=10;
if(marks[i]>=80&&marks[i]<90)
gp[i]=9;
if(marks[i]>=70&&marks[i]<80)
gp[i]=8;
if(marks[i]>=60&&marks[i]<70)
gp[i]=7;
}
```



Ln 1, Col 1

100%

Windows (CRLF)

UTF-8



Type here to search



Links



# Studentmain (1) - Notepad

File Edit Format View Help

```
System.out.println("Enter the credits and marks in subject "+i);
credits[i]=s1.nextInt();
marks[i]=s1.nextInt();
}
}
void calculate()
{
gp=new int[n+1];
int a=0;
for(int i=1;i<=n;i++)
{
if(marks[i]>=90)
gp[i]=10;
if(marks[i]>=80&&marks[i]<90)
gp[i]=9;
if(marks[i]>=70&&marks[i]<80)
gp[i]=8;
if(marks[i]>=60&&marks[i]<70)
gp[i]=7;
if(marks[i]>=50&&marks[i]<60)
gp[i]=5;
if(marks[i]<40)
gp[i]=0;
sum=(double)(credits[i]*gp[i])+sum;
a=a+credits[i];
}
sgpa=sum/a;
}
void display()
{
System.out.println("usn:"+usn+" name:"+name);
for (int i=1;i<=n;i++)
System.out.println("marks:"+marks[i]+" grade points:"+gp[i]);
System.out.println("sgpa:"+sgpa);
}
}
class Studentmain
{
public static void main(String[] args)
{
Student sc=new Student();
sc.accept();
sc.calculate();
sc.display();
}
}
```



C:\Users\Vidhu\Desktop\java>set path="C:\Program Files\Java\jdk1.8.0\_261\bin"

C:\Users\Vidhu\Desktop\java>javac Studentmain.java

C:\Users\Vidhu\Desktop\java>java Studentmain

Enter the usn and name

1BM19CS196 Dyuthi

Enter number of subjects

5

Enter the credits and marks in each subject

Enter the credits and marks in subject 1

3 68

Enter the credits and marks in subject 2

4 88

Enter the credits and marks in subject 3

3 90

Enter the credits and marks in subject 4

3 79

Enter the credits and marks in subject 5

4 95

usn:1BM19CS196 name:Dyuthi

marks:68 grade points:7

marks:88 grade points:9

marks:90 grade points:10

marks:79 grade points:8

marks:95 grade points:10

sgpa:8.882352941176471

C:\Users\Vidhu\Desktop\java>



Type here to search



Links



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8/24/2021

