

admission process.c - C:\Users\Pankaj Gupta\Desktop\C programs - Geany

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```
admission process.c
32     int x;
33     scanf("%d",&x);
34     int p;
35     printf("Student List:\n");
36     for(int i=0;i<n;i++) {
37         if(s[i].elec==x) {
38             p++;
39             printf(">%s\n",s[i].name);
40         }
41     }
42     printf("Operation 2\n");
43     printf("%d students chose elective 1\n",c1);
44     printf("%d students chose elective 2\n",c2);
45     printf("%d students chose elective 3\n",c3);
46     printf("Operation 3\n");
47     if(c1<3) {
48         printf("Elective 1 is floated,students who have chosen it must reselect their electives\n");
49         for(int i=0;i<n;i++) {
50             if(s[i].elec==1) {
51                 printf("%s, please enter new elective choice\n",s[i].name);
52                 int nc;
53                 scanf("%d",&nc);
54                 s[i].elec=nc;
55             }
56         }
57     }
58     else {}
59     if(c2<3) {
60         printf("Elective 2 is floated,students who have chosen it must reselect their electives\n");
61         for(int i=0;i<n;i++) {
62             if(s[i].elec==2) {
63                 printf("%s, please enter new elective choice\n",s[i].name);
64                 int nc;
```

line:64 / 96 col:18 sel:0 INS TAB mode: CRLF encoding: UTF-8 filetype: C scope: main

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admission process.c

```
64         int nc;
65         scanf("%d", &nc);
66         s[i].elec=nc;
67     }
68 }
69 }
70 if(c3<3) {
71     printf("Elective 3 is floated,students who have chosen it must reselect their electives\n");
72     for(int i=0;i<n;i++) {
73         if(s[i].elec==3) {
74             printf("%s, please enter new elective choice\n",s[i].name);
75             int nc;
76             scanf("%d", &nc);
77             s[i].elec=nc;
78         }
79     }
80 }
81 else {}
82 c1=0;c2=0;c3=0;
83 for(int i=0;i<n;i++) {
84     if(s[i].elec==1)
85         c1++;
86     else if(s[i].elec==2)
87         c2++;
88     else
89         c3++;
90 }
91 printf("Number of students in Elective 1:%d\n",c1);
92 printf("Number of students in Elective 2:%d\n",c2);
93 printf("Number of students in Elective 3:%d\n",c3);
94 return 0;
95 }
96 }
```

line: 96 / 96 col: 0 col: 0 INS TAB mode: CRLF encoding: UTF-8 filetype: C scope: unknown

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Pankaj2107/OOJ-Lab-Programs x New Tab x Microprocessor Lab.C1 and C2 b... x +

C:\Windows\SYSTEM32\cmd.exe

```
Enter name:Vamsi
Enter elective choice3
Operation 1
Which Elective student list is needed?
2
Student List:
>Adarsh
>Raghu
>Pankaj
Operation 2
1 students chose elective 1
4201704 students chose elective 2
0 students chose elective 3
Operation 3
Elective 1 is floated,students who have chosen it must reselect their electives
Sachin, please enter new elective choice
2
Elective 3 is floated,students who have chosen it must reselect their electives
Vamsi, please enter new elective choice
2
Number of students in Elective 1:0
Number of students in Elective 2:5
Number of students in Elective 3:0

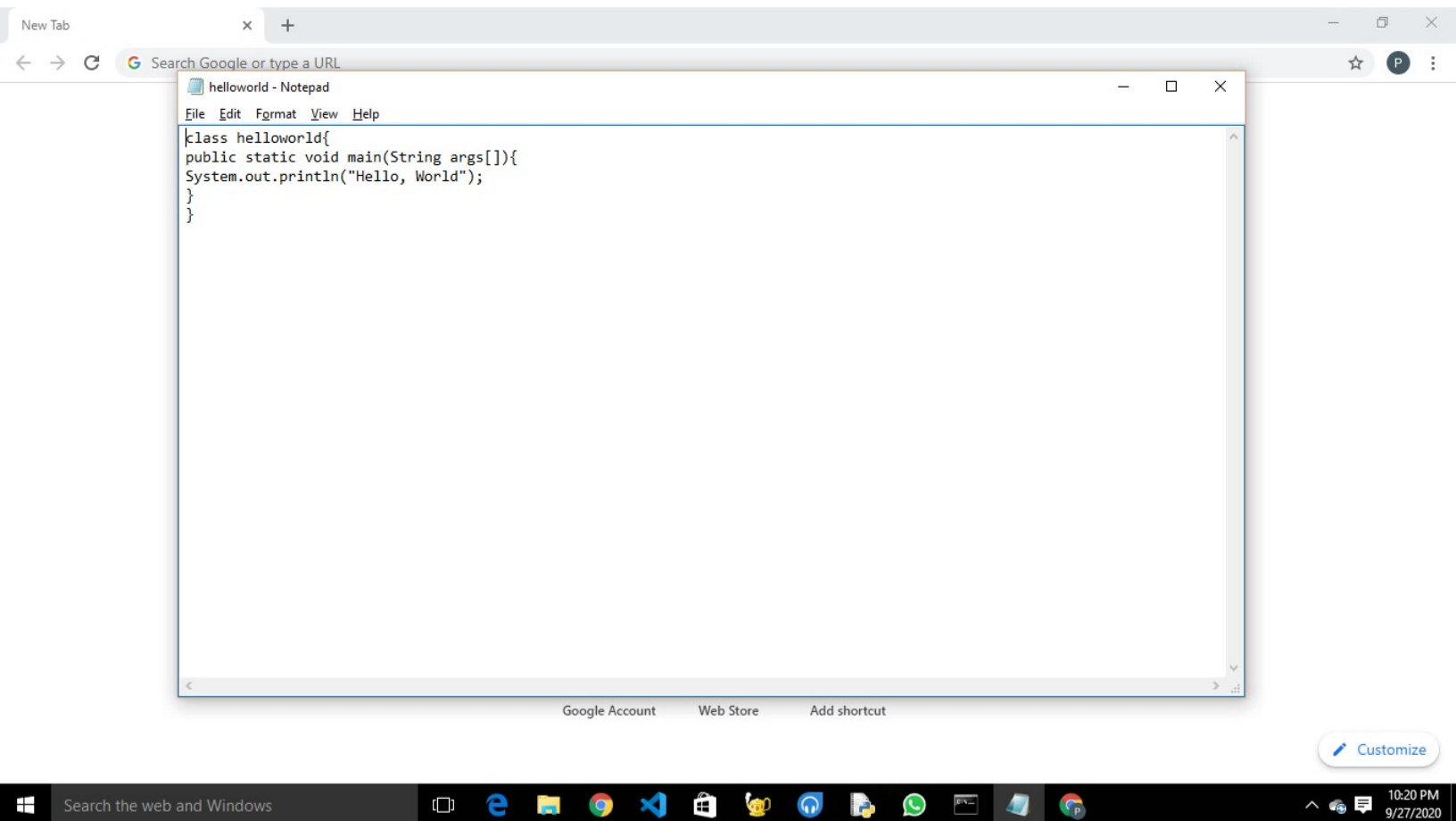
-----
(program exited with code: 0)
Press any key to continue . . .
```

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helloworld - Notepad

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```
class helloworld{  
public static void main(String args[]){  
System.out.println("Hello, World");  
}  
}
```

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C:\Users\Pankaj Gupta\Desktop\JAVA



```
Command Prompt
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Pankaj Gupta>cd C:\Users\Pankaj Gupta\Desktop\JAVA

C:\Users\Pankaj Gupta\Desktop\JAVA>javac helloworld.java

C:\Users\Pankaj Gupta\Desktop\JAVA>java helloworld
Hello, World

C:\Users\Pankaj Gupta\Desktop\JAVA>
```

LargestOfThreeNo - Notepad

— □ ×

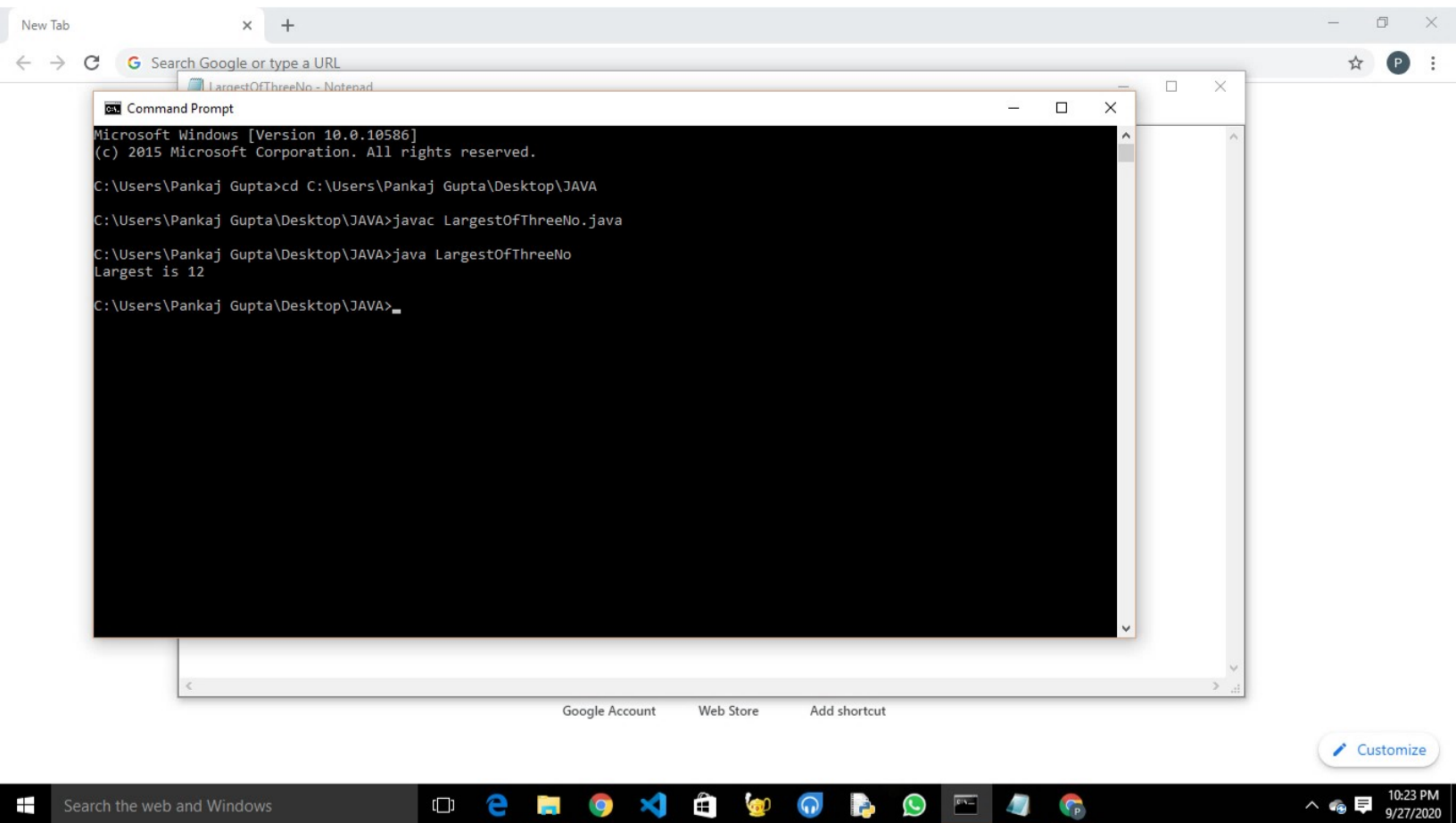
File Edit Format View Help

```
class LargestOfThreeNo{  
public static void main(String args[]){  
int a=10,b=12,c=8;  
if(a>b && b>c){  
System.out.println("Largest is "+a);  
}  
else if(b>a && b>c){  
System.out.println("Largest is "+b);  
}  
else{  
System.out.println("Largest is "+c);  
}  
}  
}
```

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PrintingPattern - Notepad

- □ x

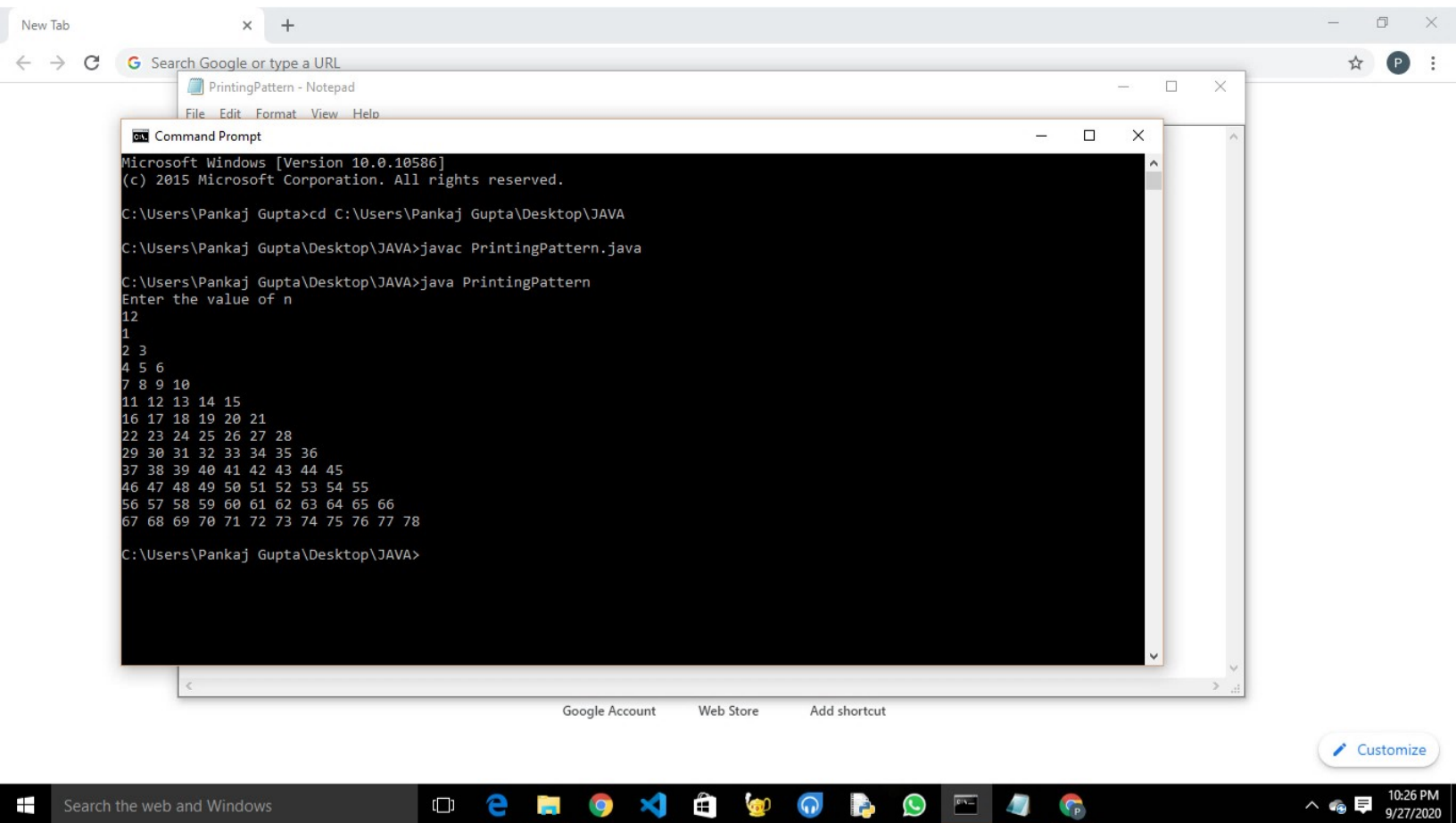
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```
import java.util.Scanner;
class PrintingPattern{
public static void main(String args[]){
int n,a=1;
Scanner in=new Scanner(System.in);
System.out.println("Enter the value of n");
n=in.nextInt();
for(int i=1;i<=n;i++){
for(int j=1;j<=i;j++){
System.out.print(a+" ");
a++;
}
System.out.println("");
}
}
}
```

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PrintingPattern - Notepad

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Command Prompt

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C:\Users\Pankaj Gupta>cd C:\Users\Pankaj Gupta\Desktop\JAVA

C:\Users\Pankaj Gupta\Desktop\JAVA>javac PrintingPattern.java

C:\Users\Pankaj Gupta\Desktop\JAVA>java PrintingPattern

Enter the value of n

12

1

2 3

4 5 6

7 8 9 10

11 12 13 14 15

16 17 18 19 20 21

22 23 24 25 26 27 28

29 30 31 32 33 34 35 36

37 38 39 40 41 42 43 44 45

46 47 48 49 50 51 52 53 54 55

56 57 58 59 60 61 62 63 64 65 66

67 68 69 70 71 72 73 74 75 76 77 78

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PrintingValues - Notepad

- □ x

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```
//Java program to print values from 1 to n taking input from the user
import java.util.Scanner;
class PrintingValues{
public static void main(String args[]){
int n;
Scanner in=new Scanner(System.in);
System.out.println("Enter the value of n");
n=in.nextInt();
for(int i=1;i<=n;i++){
System.out.println(i);
}
}
}
```

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Command Prompt

C:\Users\Pankaj Gupta\Desktop\JAVA>javac PrintingValues.java

C:\Users\Pankaj Gupta\Desktop\JAVA>java PrintingValues

Enter the value of n

15

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

C:\Users\Pankaj Gupta\Desktop\JAVA>

```
import java.util.*;
class Grade{
    public static void main(String args[]){
        float cie,see,marks;
        Scanner in=new Scanner(System.in);
        System.out.println("Enter the CIE marks out of 50");
        cie=in.nextFloat();
        System.out.println("Enter the SEE marks out of 100");
        see=in.nextFloat();
        marks=cie+see/2;
        if(marks<=100 && marks>=90){
            System.out.println("Grade = S and mrks = "+marks);
        }
        else if(marks<=89 && marks>=80){
            System.out.println("Grade = A and marks = "+marks);
        }
        else if(marks<=79 && marks>=70){
            System.out.println("Grade = B and marks = "+marks);
        }
        else if(marks<=69 && marks>=60){
            System.out.println("Grade = C and marks = "+marks);
        }
        else if(marks<=59 && marks>=50){
            System.out.println("Grade = D and marks = "+marks);
        }
        else if(marks<=49 && marks>=50){
            System.out.println("Grade = E and marks = "+marks);
        }
        else{
            System.out.println("Grade = F and marks = "+marks);
        }
    }
}
```

```
import java.util.*;  
class Grade{  
    public static void main(String args[]){
```

```
C:\Users\Pankaj Gupta\Desktop\JAVA>javac Grade.java
```

```
C:\Users\Pankaj Gupta\Desktop\JAVA>java Grade
```

```
Enter the CIE marks out of 50
```

```
40
```

```
Enter the SEE marks out of 100
```

```
70
```

```
Grade = B and marks = 75.0
```

```
C:\Users\Pankaj Gupta\Desktop\JAVA>_
```

```
}  
}
```

PrimeNumbers - Notepad

— □ ×

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```
/*Java program to print prime numbers between given two numbers*/
import java.util.*;
class PrimeNumbers{
public static void main(String args[]){
int n,m;
Scanner in=new Scanner(System.in);
System.out.println("Enter the values of m and n");
m=in.nextInt();
n=in.nextInt();
for(int i=m;i<=n;i++){
int c=0;
for(int j=1;j<=i;j++){
if(i%j==0){
c++;}
}if(c==2)
{
System.out.println(i);
}
}
}
}
```

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Command Prompt

C:\Users\Pankaj Gupta\Desktop\JAVA>javac PrimeNumbers.java

C:\Users\Pankaj Gupta\Desktop\JAVA>java PrimeNumbers

Enter the values of m and n

4

50

5

7

11

13

17

19

23

29

31

37

41

43

47

C:\Users\Pankaj Gupta\Desktop\JAVA>_

