

helloworld - Notepad

File Edit Format View Help

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

```

Microsoft Windows [Version 10.0.18363.1082]
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C:\Users\shivani>cd desktop

C:\Users\shivani\Desktop>dir
Volume in drive C is Windows
Volume Serial Number is BE90-9428

Directory of C:\Users\shivani\Desktop

25-09-2020 16:31 <DIR>      .
25-09-2020 16:31 <DIR>      ..
06-09-2020 02:47          247,772 ACABAAQA-P865302.jpg
21-08-2020 00:57          1,092 Adobe Lightroom Classic.lnk
20-08-2020 23:35          2,353 Chromium.lnk
22-08-2020 17:26 <DIR>      edited
26-09-2020 20:46 <DIR>      JA
18-09-2020 13:44 <DIR>      New folder
12-08-2020 14:32          1,422 Opera Browser.lnk
12-09-2020 21:17 <DIR>      photos
12-09-2020 19:55 <DIR>      sg
06-09-2020 02:39          15,253 starry night.png
16-09-2020 23:05          1,896 uTorrent Web.lnk
29-08-2020 14:35 <DIR>      Windows 10 Pro 19H2 X64 incl Office 2019 en-US NOV 2019 {Gen2}
               6 File(s)          269,788 bytes
               8 Dir(s) 395,135,778,816 bytes free

C:\Users\shivani\Desktop>cd JA

C:\Users\shivani\Desktop\JA>dir
Volume in drive C is Windows
Volume Serial Number is BE90-9428

Directory of C:\Users\shivani\Desktop\JA

26-09-2020 20:46 <DIR>      .
26-09-2020 20:46 <DIR>      ..
26-09-2020 20:21          1,050 Grade.class
26-09-2020 18:23          841 Grade.java
25-09-2020 13:13          425 helloworld.class
25-09-2020 13:09          107 helloworld.java
26-09-2020 03:24          809 Largest.class
26-09-2020 03:24          418 Largest.java
26-09-2020 18:48          865 Prime.class
26-09-2020 18:46          441 Prime.java
26-09-2020 20:42          654 print.class
26-09-2020 04:16          294 print.java
26-09-2020 20:46          998 Series.class
26-09-2020 20:45          392 Series.java
               12 File(s)           7,234 bytes
               2 Dir(s) 395,135,705,088 bytes free

C:\Users\shivani\Desktop\JA>javac helloworld.java

C:\Users\shivani\Desktop\JA>java helloworld
hello world

```

Largest - Notepad

File Edit Format View Help

```
public class Largest {
```

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

```
        double n1 = 4.5, n2 = 3.9, n3 = 2.5;
```

```
        if( n1 >= n2 && n1 >= n3)
```

```
            System.out.println(n1 + " is the largest number.");
```

```
        else if (n2 >= n1 && n2 >= n3)
```

```
            System.out.println(n2 + " is the largest number.");
```

```
        else
```

```
            System.out.println(n3 + " is the largest number.");
```

```
    }
```

```
}
```

```

Microsoft Windows [Version 10.0.18363.1082]
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C:\Users\shivani>cd desktop

C:\Users\shivani\Desktop>dir
Volume in drive C is Windows
Volume Serial Number is BE90-9428

Directory of C:\Users\shivani\Desktop

25-09-2020 16:31 <DIR>      .
25-09-2020 16:31 <DIR>      ..
06-09-2020 02:47          247,772 ACABAAQA-P865302.jpg
21-08-2020 00:57          1,092 Adobe Lightroom Classic.lnk
20-08-2020 23:35          2,353 Chromium.lnk
22-08-2020 17:26 <DIR>      edited
26-09-2020 20:46 <DIR>      JA
18-09-2020 13:44 <DIR>      New folder
12-08-2020 14:32          1,422 Opera Browser.lnk
12-09-2020 21:17 <DIR>      photos
12-09-2020 19:55 <DIR>      %g
06-09-2020 02:39          15,253 starry night.png
16-09-2020 23:05          1,896 uTorrent Web.lnk
29-08-2020 14:35 <DIR>      Windows 10 Pro 19H2 X64 incl Office 2019 en-US NOV 2019 {Gen2}
               6 File(s)          269,788 bytes
               8 Dir(s) 395,122,925,568 bytes free

C:\Users\shivani\Desktop>cd JA

C:\Users\shivani\Desktop\JA>dir
Volume in drive C is Windows
Volume Serial Number is BE90-9428

Directory of C:\Users\shivani\Desktop\JA

26-09-2020 20:46 <DIR>      .
26-09-2020 20:46 <DIR>      ..
26-09-2020 20:21          1,050 Grade.class
26-09-2020 18:23          841 Grade.java
26-09-2020 22:39          425 helloworld.class
25-09-2020 13:09          107 helloworld.java
26-09-2020 03:24          809 Largest.class
26-09-2020 03:24          418 Largest.java
26-09-2020 18:48          865 Prime.class
26-09-2020 18:46          441 Prime.java
26-09-2020 20:42          654 print.class
26-09-2020 04:16          294 print.java
26-09-2020 20:46          998 Series.class
26-09-2020 20:45          392 Series.java
               12 File(s)           7,294 bytes
               2 Dir(s) 395,122,900,992 bytes free

C:\Users\shivani\Desktop\JA>javac Largest.java

C:\Users\shivani\Desktop\JA>java Largest
4.5 is the largest number.

```

print - Notepad

File Edit Format View Help

import java.util.Scanner;

public class print

{

public static void main(String[] args)
{

Scanner scanner = new Scanner(System.in);

int n = scanner.nextInt();

System.out.println("Numbers are : ");

for(int i=1; i<=n; i++)

{

System.out.println(i);

}

}

}

Microsoft Windows [Version 10.0.18363.1002]
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C:\Users\shivani>cd desktop

C:\Users\shivani\Desktop>dir
Volume in drive C is Windows
Volume Serial Number is BE90-9428

Directory of C:\Users\shivani\Desktop

25-09-2020	16:31	<DIR>	.
25-09-2020	16:31	<DIR>	..
00-09-2020	02:47		247,772 ACABANQA-P065362.jpg
21-08-2020	00:57		1,692 Adobe Lightroom Classic.lnk
20-08-2020	23:55		2,353 Chromium.lnk
22-08-2020	17:26	<DIR>	edited
26-09-2020	20:46	<DIR>	JA
18-09-2020	13:44	<DIR>	New folder
12-08-2020	14:52		1,422 Opera Browser.lnk
12-09-2020	21:17	<DIR>	photos
12-09-2020	19:55	<DIR>	sg
06-09-2020	02:39		15,253 starry night.png
16-09-2020	23:05		1,696 uTorrent Web.lnk
29-08-2020	14:25	<DIR>	Windows 10 Pro 19H2 X64 Incl Office 2019 en-US MOV 2019 {6e92}
			6 File(s) 269,788 bytes
			8 Dir(s) 395,116,797,952 bytes free

C:\Users\shivani\Desktop>cd JA

C:\Users\shivani\Desktop\JA>dir
Volume in drive C is Windows
Volume Serial Number is BE90-9428

Directory of C:\Users\shivani\Desktop\JA

25-09-2020	20:46	<DIR>	.
25-09-2020	20:46	<DIR>	..
25-09-2020	20:21		1,450 Grade.class
25-09-2020	18:23		841 Grade.java
25-09-2020	22:39		425 helloworld.class
25-09-2020	13:09		187 helloworld.java
25-09-2020	22:48		889 Largest.class
25-09-2020	03:24		418 Largest.java
25-09-2020	18:48		865 Prime.class
25-09-2020	18:48		441 Prime.java
25-09-2020	20:42		654 print.class
25-09-2020	04:16		294 print.java
25-09-2020	20:46		998 Series.class
25-09-2020	20:45		392 Series.java
			12 File(s) 7,294 bytes
			2 Dir(s) 395,116,772,376 bytes free

C:\Users\shivani\Desktop\JA>javac print.java

C:\Users\shivani\Desktop\JA>java print

5

Numbers are :

1

2

3

4

5

C:\Users\shivani\Desktop\JA>

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

Microsoft Windows [Version 10.0.18363.1007]
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C:\Users\shivani>cd desktop

C:\Users\shivani\Desktop>dir
Volume in drive C is Windows
Volume Serial Number is 8E90-942B

Directory of C:\Users\shivani\Desktop

25-09-2020	16:31	<DIR>	.
25-09-2020	16:31	<DIR>	..
06-09-2020	02:47		247,772 ACBAQA-2065382.jpg
22-09-2020	00:57		1,892 Adobe Lightroom Classic.lnk
20-09-2020	23:35		2,353 Chromium.lnk
22-09-2020	17:26	<DIR>	edited
26-09-2020	20:45	<DIR>	3A
18-09-2020	13:44	<DIR>	New folder
12-09-2020	14:32		1,422 Opera Browser.lnk
12-09-2020	21:17	<DIR>	photos
12-09-2020	19:55	<DIR>	tg
06-09-2020	02:39		15,253 starry night.png
16-09-2020	23:05		1,096 torrent web.lnk
29-08-2020	14:35	<DIR>	Windows 10 Pro 19H2 X64 Incl Office 2019 en-US NOV 2019 (Gen2)
			6 File(s) 269,780 bytes
			8 Dir(s) 395,008,812,384 bytes free

C:\Users\shivani\Desktop>cd 3A

C:\Users\shivani\Desktop\3A>dir
Volume in drive C is Windows
Volume Serial Number is 8E90-942B

Directory of C:\Users\shivani\Desktop\3A

25-09-2020	20:45	<DIR>	.
25-09-2020	20:45	<DIR>	..
25-09-2020	20:21		1,098 Grade.class
26-09-2020	18:23		841 Grade.java
25-09-2020	13:13		425 helloworld.class
25-09-2020	13:09		187 helloworld.java
26-09-2020	03:24		809 Largest.class
26-09-2020	03:24		418 Largest.java
26-09-2020	18:48		865 Prime.class
26-09-2020	18:46		441 Prime.java
26-09-2020	20:42		654 print.class
26-09-2020	04:16		294 print.java
26-09-2020	20:45		392 Series.java
			11 File(s) 6,296 bytes
			2 Dir(s) 395,008,715,776 bytes free

C:\Users\shivani\Desktop\3A>java Series.java

C:\Users\shivani\Desktop\3A>java Series

Enter the value of n

5
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15

C:\Users\shivani\Desktop\3A>

class Grade

```
{
    public static void main(String[] args)
    {
        Scanner sc=new Scanner(System.in);
        int CIE,SEE;
        float total;
        System.out.println("Enter the CIE marks of the student out of 50");
        CIE=sc.nextInt();
        System.out.println("Enter the SEE marks of the student out of 100");
        SEE=sc.nextInt();
        total=CIE+((float)SEE)/2;
        if(total>=90 && total<=100)
        {
            System.out.println("S Grade");
        }
        else if(total>=80 && total<90)
        {
            System.out.println("A Grade");
        }
        else if(total>=70 && total<80)
        {
            System.out.println("B Grade");
        }
        else if(total>=60 && total<70)
        {
            System.out.println("C Grade");
        }
        else if(total>=40 && total<60)
        {
            System.out.println("D Grade");
        }
        else
        {
            System.out.println("F Grade");
        }
    }
}
```

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C:\Users\shivani>cd desktop

C:\Users\shivani\Desktop>dir
Volume in drive C is Windows
Volume Serial Number is BE90-9428

Directory of C:\Users\shivani\Desktop

File Name	Size	Attributes	Time
.		<DIR>	25-09-2020 16:31
..		<DIR>	25-09-2020 16:31
ACABANAQ4-P865382.jpg	247,772		08-09-2020 02:47
Adobe Lightroom Classic.lnk	1,692		21-08-2020 00:57
Chromium.lnk	2,353		20-08-2020 23:55
edited		<DIR>	22-08-2020 17:26
JA		<DIR>	26-09-2020 20:46
New folder		<DIR>	18-09-2020 13:44
Opera Browser.lnk	1,422		12-08-2020 14:52
photos		<DIR>	12-09-2020 21:17
sg		<DIR>	12-09-2020 19:55
starry night.png	15,253		06-09-2020 02:39
torrent web.lnk	1,696		16-09-2020 23:05
Windows 10 Pro 19H2 X64 Incl Office 2019 en-US MOV 2019 {6e92}		<DIR>	29-08-2020 14:25
6 File(s)	269,788 bytes		
8 Dir(s)	395,184,739,328 bytes free		

C:\Users\shivani\Desktop>cd JA

C:\Users\shivani\Desktop\JA>dir
Volume in drive C is Windows
Volume Serial Number is BE90-9428

Directory of C:\Users\shivani\Desktop\JA

File Name	Size	Attributes	Time
.		<DIR>	26-09-2020 20:46
..		<DIR>	26-09-2020 20:46
Grade.class	1,450		26-09-2020 22:55
Grade.java	841		26-09-2020 23:04
helloworld.class	425		26-09-2020 22:39
helloworld.java	187		25-09-2020 13:09
Largest.class	889		26-09-2020 22:48
Largest.java	418		26-09-2020 03:24
Prime.class	665		26-09-2020 23:01
Prime.java	441		26-09-2020 18:44
print.class	654		26-09-2020 22:52
print.java	294		26-09-2020 04:16
Series.class	998		26-09-2020 20:46
Series.java	392		26-09-2020 20:45
12 File(s)	7,294 bytes		
2 Dir(s)	395,184,665,680 bytes free		

C:\Users\shivani\Desktop\JA>javac Grade.java

C:\Users\shivani\Desktop\JA>java Grade
Enter the CIE marks of the student out of 50
45
Enter the SEE marks of the student out of 100
72
A Grade

C:\Users\shivani\Desktop\JA>

Prime - Notepad

File Edit Format View Help

```
import java.util.*;
class Prime
{ public static void main(String []args)
{Scanner sc=new Scanner(System.in);
int st,en,i,j,c=0;
System.out.println("Enter the starting and ending values");
st=sc.nextInt();
en=sc.nextInt();
System.out.println("The prime numbers are");
for(i=st;i<=en;i++)
{
    for(j=1;j<=i;j++)
    {
        if(i%j==0)
        {
            c++;
        }
    }
    if(c==2)
    {
        System.out.println(i);
    }
    c=0;
}
}
```

Ln 12, Col 21 100% Windows (CRLF) UTF-8

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C:\Users\shivani>cd desktop

C:\Users\shivani\Desktop>dir
Volume in drive C is Windows
Volume Serial Number is BE90-9428

Directory of C:\Users\shivani\Desktop

File Name	Size	Attributes	Time
.		<DIR>	25-09-2020 16:31
..		<DIR>	25-09-2020 16:31
ACABANAQA-P0653801.jpg	247,772		08-09-2020 02:47
Adobe Lightroom Classic.lnk	1,692		21-08-2020 00:57
Chromium.lnk	2,353		20-08-2020 23:55
edited		<DIR>	22-08-2020 17:26
JA		<DIR>	26-09-2020 20:46
New folder		<DIR>	18-09-2020 13:44
Opera Browser.lnk	1,422		12-08-2020 14:52
photos		<DIR>	12-09-2020 21:17
sg		<DIR>	12-09-2020 19:55
starry night.png	15,253		06-09-2020 02:39
torrent web.lnk	1,696		16-09-2020 23:05
Windows 10 Pro 19H2 X64 Incl Office 2019 en-US MOV 2019 {6e92}		<DIR>	29-08-2020 14:25
6 File(s)	269,788 bytes		
8 Dir(s)	395,186,205,696 bytes free		

C:\Users\shivani\Desktop>cd JA

C:\Users\shivani\Desktop\JA>dir
Volume in drive C is Windows
Volume Serial Number is BE90-9428

Directory of C:\Users\shivani\Desktop\JA

File Name	Size	Attributes	Time
.		<DIR>	26-09-2020 20:46
..		<DIR>	26-09-2020 20:46
Grade.class	1,450		26-09-2020 22:55
Grade.java	841		26-09-2020 18:23
helloworld.class	425		26-09-2020 22:39
helloworld.java	187		25-09-2020 13:09
Largest.class	889		26-09-2020 22:48
Largest.java	418		26-09-2020 03:24
Prime.class	665		26-09-2020 22:59
Prime.java	441		26-09-2020 18:04
prims.class	654		26-09-2020 22:52
print.java	294		26-09-2020 04:16
Series.class	998		26-09-2020 20:46
Series.java	392		26-09-2020 20:45
12 File(s)	7,204 bytes		
2 Dir(s)	395,186,131,968 bytes free		

C:\Users\shivani\Desktop\JA>javac Prime.java

C:\Users\shivani\Desktop\JA>java Prime

Enter the starting and ending values

4

7

The prime numbers are

5

```

1 #include<stdio.h>
2 #include<string.h>
3
4 struct getname {
5     char name[10];
6 };
7 int main() {
8     struct getname arr[100];
9     int n;
10    int cnt1 = 0, cnt2 = 0, cnt3 = 0;
11    int a[100];
12    printf("Students are required to fill in their details and choice of electives\n");
13    printf("Choices for electives: \n");
14    printf("1.Internet of things\n2.Advanced Java\n3.Advance DS\n");
15
16    int num;
17    printf("Enter the total number of students: ");
18    scanf("%d",&num);
19    for(int i=0;i<num;i++) {
20        printf("Enter the name of student : ");
21        scanf("%s",&arr[i].name);
22        printf("Enter your choice : ");
23        scanf("%d",&n);
24        a[i] = n;
25        if(a[i] == 1) {
26            cnt1++;
27        }
28        else if(a[i] == 2) {
29            cnt2++;
30        }
31        else if(a[i] == 3) {
32            cnt3++;
33        }
34    }
35
36    printf("Operation 1\n");
37    int x;

```

```

38 printf("Enter the choice of elective you want to get the list for: ");
39 scanf("%d",&x);
40 for (int i = 0; i < num; i++)
41 {
42     if(a[i] == x) {
43         printf("%s\n",arr[i].name);
44     }
45 }
46
47 printf("Operation 2\n");
48 if(cnt1<3) {
49     cnt1 = 0;
50     printf("All elective one students are required to chose different elective.\n");
51     for(int i=0;i<num;i++) {
52         if(a[i] == 1) {
53             printf("%s Select from elective 2 or 3: ",arr[i].name);
54             scanf("%d",&n);
55             a[i] = n;
56             if(n == 3)
57                 cnt3++;
58             else if(n == 2)
59                 cnt2++;
60         }
61     }
62 }
63 if(cnt2<3) {
64     cnt2 = 0;
65     printf("All elective two students are required to chose different elective.\n");
66     for(int i=0;i<num;i++) {
67         if(a[i] == 2) {
68             printf("%s Select from elective 1 or 3: ",arr[i].name);
69             scanf("%d",&n);
70             a[i] = n;
71             if(n == 1)
72                 cnt1++;

```

```

73         else if(n == 3)
74             cnt3++;
75     }
76 }
77 }
78 if(cnt3<3) {
79     cnt3 = 0;
80     printf("All elective three students are required to chose different elective.\n");
81     for(int i=0;i<num;i++) {
82         if(a[i] == 3) {
83             printf("%s Select from elective 2 or 1: ",arr[i].name);
84             scanf("%d",&n);
85             a[i] = n;
86             if(n == 1)
87                 cnt1++;
88             else if(n == 2)
89                 cnt2++;
90         }
91     }
92 }
93 printf("Operation 3\n");
94 printf("Number of students in elective one : %d\n",cnt1);
95 printf("Number of students in elective two : %d\n",cnt2);
96 printf("Number of students in elective three : %d\n",cnt3);
97
98 printf("Operation 4\n");
99 printf("List of students in elective 1: \n");
100 for (int i = 0; i < num; i++)
101 {
102     if(a[i] == 1) {
103         printf("%s\n",arr[i].name);
104     }
105 }
106

```

```
106
107     printf("List of students in elective 2: \n");
108     for (int i = 0; i < num; i++)
109     {
110         if(a[i] == 2)
111         {
112             printf("%s\n",arr[i].name);
113         }
114     }
115
116     printf("List of students in elective 3: \n");
117     for (int i = 0; i < num; i++)
118     {
119         if(a[i] == 3) {
120             printf("%s\n",arr[i].name);
121         }
122     }
123
124 }
```


Students are required to fill in their details and choice of electives

Choices for electives:

1.Internet of things

2.Advanced Java

3.Advance DS

Enter the total number of students: 7

Enter the name of student : AA

Enter your choice : 1

Enter the name of student : BB

Enter your choice : 2

Enter the name of student : CC

Enter your choice : 2

Enter the name of student : DD

Enter your choice : 2

Enter the name of student : EE

Enter your choice : 3

Enter the name of student : FF

Enter your choice : 3

Enter the name of student : GG

Enter your choice : 3

Operation 1

Enter the choice of elective you want to get the list for: 2

BB

CC

DD

Operation 2

All elective one students are required to chose different elective.

AA Select from elective 2 or 3: 3

Operation 3

Number of students in elective one : 0

Number of students in elective two : 3

Number of students in elective three : 4

Number of students in elective 1: 1

Operation 4

List of students in elective 1:

List of students in elective 2:

BB

CC

DD

List of students in elective 3:

AA

EE

FF

GG

...Program finished with exit code 0

Press ENTER to exit console.