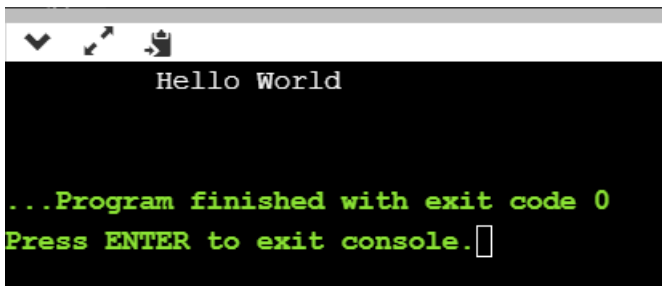


1: Program to print hello world

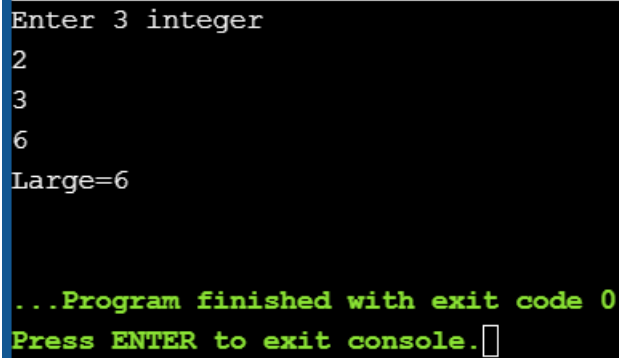
```
class HELLO{  
  
public static void main(String[] args){  
  
System.out.println("Hello World");  
  
}  
  
}
```



2: Program to find the largest of three numbers

```
import java.util.Scanner;  
  
class p2{  
  
public static void main(String[] args){  
  
System.out.println("Enter 3 integer");  
  
Scanner in = new Scanner (System.in);  
  
int a= in.nextInt();  
int b= in.nextInt();  
int c= in.nextInt();  
  
if(a>b)  
{if(a>c)  
  
System.out.println("Large="+a);  
  
else  
System.out.println("Large="+c);}  
  
else  
  
{if(b>c)
```

```
System.out.println("Large="+b);  
else  
System.out.println("Large="+c);}  
}  
}  
}
```



```
Enter 3 integer  
2  
3  
6  
Large=6  
  
...Program finished with exit code 0  
Press ENTER to exit console.█
```

3 : Program to print the values from 1 to n

```
import java.util.Scanner;  
  
class p3{  
  
public static void main(String[] args){  
System.out.println("Enter an integer");  
  
Scanner in = new Scanner (System.in);  
  
int a= in.nextInt();  
  
int c=1;  
  
  
for(int i=0;i<=a;i++){  
for(int j=0;j<=i;j++){  
System.out.print(c);  
  
c++;}  
  
System.out.println("");  
  
}
```

```
}
```

```
}
```

```
Enter an integer
```

```
3
```

```
1
```

```
23
```

```
456
```

```
78910
```

```
...Program finished with exit code 0
```

```
Press ENTER to exit console. 
```

4: Write a program to print the pattern

```
import java.util.Scanner;
```

```
class p4{
```

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

```
System.out.println("Enter an integer");
```

```
Scanner in = new Scanner (System.in);
```

```
int a= in.nextInt();
```

```
for(int i=1;i<=a;i++){
```

```
System.out.print(a);
```

```
}
```

```
}
```

```
}
```

```
Enter an integer
8
output is as follows
1
2
3
4
5
6
7
8

...Program finished with exit code 0
Press ENTER to exit console.□
```

5: program to calculate the grade from cie and see marks

```
import java.util.Scanner;
```

```
class p5{
```

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

```
Scanner in = new Scanner (System.in);
```

```
System.out.println("Enter CIE marks out of 50");
```

```
int = in.nextInt();
```

```
System.out.println("Enter SEE marks out of 100");
```

```
int b= in.nextInt();
```

```
float c=(a+b/2)/10;
```

```
if(c>=9)
```

```
System.out.println("Grade: S");
```

```
else if(c>=8)
```

```
System.out.println("Grade: A");
```

```
else if (c>=7)
```

```
System.out.println("Grade: B");
```

```
else if (c>=6)
```

```
System.out.println("Grade: C");
```

```

else if (c>=5)

System.out.println("Grade: D");

else if (c>=4)

System.out.println("Grade: E");

else if (c>=0)

System.out.println("Grade: F");

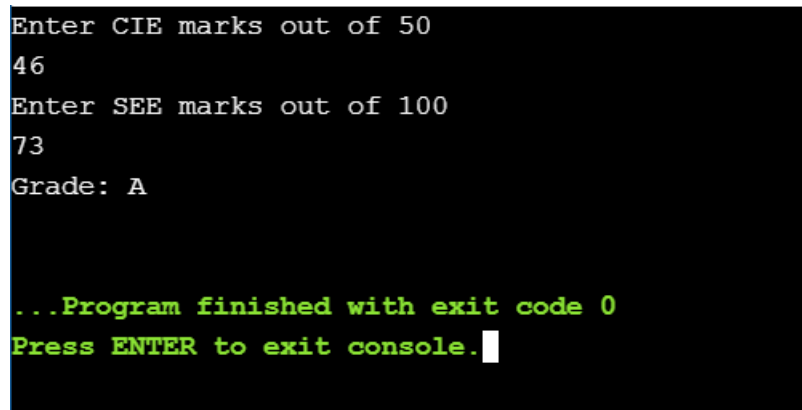
else

System.out.println("INVALID");

}

}

```



```

Enter CIE marks out of 50
46
Enter SEE marks out of 100
73
Grade: A

...Program finished with exit code 0
Press ENTER to exit console.

```

6: write a C program to print all prime numbers between two numbers

```

#include<stdio.h>

int main()

{

int i,j,k;

printf("Enter 2 number");

scanf("%d%d",&i,&j);


for(k=i;k<=j;k++)

{if (k%2==0)

printf("%d",k);

else

```

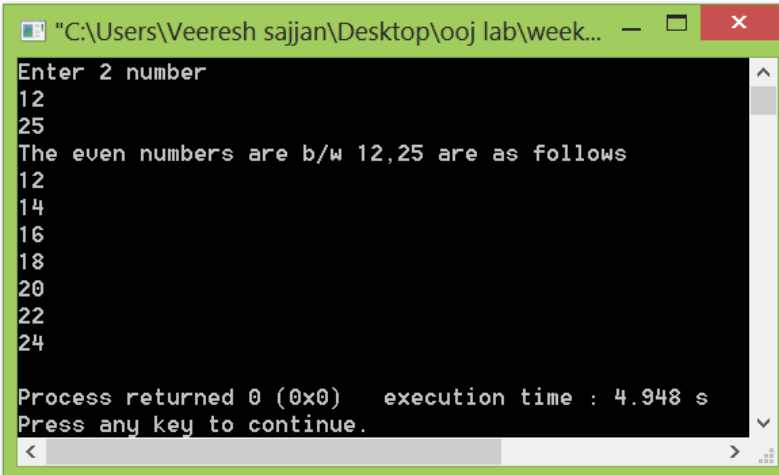
```
continue;
```

```
}
```

```
Return 0;
```

```
}
```

```
1  int main()
2  {
3      int i,j,k;
4      printf("Enter 2 number\n");
5      scanf("%d%d",&i,&j);
6
7      printf("The even numbers are b/w %d,%d are as follows\n",i,j);
8      for(k=i;k<=j;k++)
9      {if (k%2==0)
10         printf("%d\n",k);
11
12     else
13         continue;
14     }
15 }
16
```



```
"C:\Users\Veesh sajjan\Desktop\ooj lab\week..."
Enter 2 number
12
25
The even numbers are b/w 12,25 are as follows
12
14
16
18
20
22
24
Process returned 0 (0x0)   execution time : 4.948 s
Press any key to continue.
```

7:Program to count the number of students registered for the particular course:

```
#include<stdio.h>
```

```
char name[50][50];
```

```
int choice;
```

```
int choice_new;
```

```
int c_IOT=0;
```

```
int c_advanced_and_j2=0;
```

```
int c_advanced_data_structures=0;
```

```
int n;
```

```
void read()
```

```
{
```

```

printf("Enter the number of students\n");
scanf("%d",&n);
for(int i=0;i<n;i++)
{
printf("Enter the name of student %d\n",(i+1));
scanf("%s",name[i]);
}
}
int main()
{
read();
printf("1:Internet Of Things\n2:Advanced Java And J2EE\n3:Advanced DataStructures\n");
for(int i=0;i<n;i++)
{
printf("Enter the choice of student %s\n",name[i]);
scanf(" %d",&choice);
read:
switch(choice)
{
case 1:
printf("student %s applied for internet of things is \n",name[i]);
c_IOT++;
break;
case 2:
printf("student %s applied for advanced java and J2EEE is \n",name[i]);
c_advanced_and_j2++;
break; -

```

```

case 3:
printf("student %s has applied for Advanced data structures \n",name[i]);
c_advanced_data_structures++;
break;
}
}
printf("Number of students applied for Internet of things is %d \n",c_IOT);
printf("Number of students applied for advanced java and J2EEE is %d \n",c_advanced_and_j2);
printf("Number of students applied for data structures is %d\n",c_advanced_data_structures);
for(;;)
{
if(c_IOT<=30)
{
printf("This Course cannot be floated please select the other from the other two course\n");
printf("2:Advanced Java And J2EE\n3:Advanced DataStructures\n");
scanf(" %d",&choice_new);
break;
}
if(c_advanced_and_j2<=30)
{
printf("This Course cannot be floated please select the other course\n");
printf("1:Internet Of Things\n3:Data structures\n");
scanf(" %d",&choice_new);
break;
}
}

```



```

if(c_advanced_data_structures<=30)
{
printf("This Course cannot be floated please select the other course\n");
printf("1:Internet Of Things\n2:Advanced java and j2eee\n");
scanf(" %d",&choice_new);
break;
}
break;
}
switch(choice_new)
{
case 1:
c_IOT++;
break;
case 2:
c_advanced_and_j2++;
break;
case 3:
c_advanced_data_structures++;
break;
}
printf("*****After modification*****\n");
printf("Number of students applied for Internet of things is %d \n",c_IOT);
printf("Number of students applied for advanced java and J2EEE is %d \n",c_advanced_and_j2);
printf("Number of students applied for data structures is %d\n",c_advanced_data_structures);

return 0;
}

```

```

Enter the number of students
3
Enter the name of student 1
RAM
Enter the name of student 2
SHAM
Enter the name of student 3
BHAM
1:Internet Of Things
2:Advanced Java And J2EE
3:Advanced DataStructures
Enter the choice of student RAM
1
student RAM applied for internet of things is
Enter the choice of student SHAM
1
student SHAM applied for internet of things is
Enter the choice of student BHAM
1
student BHAM applied for internet of things is
Number of students applied for Internet of things is 3
Number of students applied for advanced java and J2EEE is 0
Number of students applied for data structures is 0
This Course cannot be floated please select the other from the other two course
2:Advanced Java And J2EE
3:Advanced DataStructures
1
*****After modification*****
Number of students applied for Internet of things is 4
Number of students applied for advanced java and J2EEE is 0
Number of students applied for data structures is 0
Process returned 0 (0x0)    execution time : 20.506 s

```

