

JAVA OB LAB

WEEK ?

1) WAP to print "Hello World."

Class hello

{

public static void main(String[] args)

{

System.out.println("Hello world");

}

}

dp

Hello World

2) WAP to find largest of 3 numbers using if construct.

import java.util.Scanner;

class largest

{

public static void main(String[] args)

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

int a, b, c, large;

System.out.println("Enter the 3 numbers");

a = in.nextInt();

b = in.nextInt();

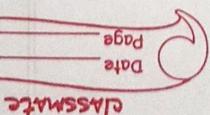
c = in.nextInt();

if (a > b)

{

if (a > c)

large = a;



```
else  
    large = c;
```

3
else
{

```
if(b > c)  
    large = b;  
else  
    large = c;
```

3

```
System.out.println("Largest number is : " + large);
```

3

O/P



Enter the 3 nos

1

34

-10

Largest number is : 34

3) WAP to print the values 1 to n by taking input from user.

```
import java.util.*;
```

```
class series
```

{

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

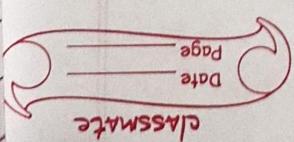
{

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

```
int n;
```

```
System.out.println ("Enter the no. of terms");
```

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



```
for(int i=1; i<=n; i++)  
    System.out.println(i + " ");
```

3

3

o/p

Enters no of terms

9

1

2

3

4

5

6

7

8

9

4) WAP to accept a no. n from user & print n rows of output as shown below if n=4.

1

2 3 4 5 6

7 8 9 10

```
import java.util.*;  
class pattern
```

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

```
{  
    int n, a=1;
```

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

System.out.println ("Enter number of rows");

n = in.nextInt();

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

{
 for (int j=1; j<=i; j++)

{
 System.out.print (a++ + " ");

 }
}
}
}

O/P

Enter number of rows

4

1

2 3

4 5 6
7 8 9 10.

) WAP to accept CIE marks (out of 50) & SEE marks (out of 100)
of a student & print grade. (if...else, if ladder)

import java.util.*;

class Marks

{

public static void main (String [] args)

{

float cie, see;

char grade;

Scanner in = new Scanner (System.in);

System.out.println ("Enter CIE (out of 50) & SEE Marks (out of 100)");

CIE = in.nextInt();

SEE = in.nextInt();

float tot = CIE + (SEE/2);

if (tot >= 89.5 && tot <= 100)

grade = 'S';

else if (tot >= 79.5 && tot <= 89.5)

grade = 'A';

else if (tot >= 69.5 && tot < 79.5)

grade = 'B';

else if (tot >= 59.5 && tot < 69.5)

grade = 'C';

else if (tot >= 49.5 && tot < 59.5)

grade = 'D';

else if (tot >= 39.5 && tot <= 49.5)

grade = 'E';

else

grade = 'F';

if (CIE = 19.5 || SEE = 39.5)

grade = 'F';

System.out.println ("Grade obtained: " + grade);

}

OFF

Enter CIE (out of 50) & SEE marks (out of 100)

45

37

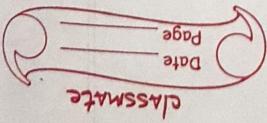
Grade obtained: F

Enter CIE (out of 50) & SEE marks (out of 100)

45

69

Grade obtained: A



CLASSMATE

Date _____

Page _____

6) Write C / Java prog to print prime nos b/w given 2 integers

```
import java.util.*;  
class prime nos  
{
```

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

```
int a, b, flag=0, check=0,  
Scanner in = new Scanner ((System.in)) (System.in);  
a = in.nextInt();  
b = in.nextInt();
```

```
System.out.println ("Prime nos b/w " + a + " and " + b + ": ");  
for (int i=a; i<=b; i++)
```

flag = 0;

```
for (int j=2; j<=i/2; j++)
```

```
if (i % j == 0)  
flag++;
```

```
if (flag == 0 && i != 1)
```

```
System.out.print (i + " ");
```

check;

}

```
if (check == 0)
```

```
System.out.println ("Don't exist");
```

}

Page _____
Date _____

O/P

Enter the 2 nos

1
13

prime nos b/w 1 and 13:

2 3 5 7 11 13

Enter the 2 nos

14

16

prime nos b/w 14 and 16
Don't exist.