

ASSIGNMENT:-3

Q 1 wap to print number 1 to 100.

ANS: package ASSIGNMENT_3;

```
public class question1 {  
    public static void main(String[] args) {  
        for(int i=1;i<=100;i++)  
        {  
            System.out.println(i);  
        }  
    }  
}
```

Q 2 wap to print even numbers between 1 to 20

ANS: package ASSIGNMENT_3;

```
public class question2 {  
    public static void main(String[] args) {  
        for(int i=1;i<=20;i++)  
        {  
            if(i%2==0){  
                System.out.println(i);  
            }  
        }  
    }  
}
```



Output - ClassDay1 (run) x

```
run:  
2  
4  
6  
8  
10  
12  
14  
16  
18  
20  
BUILD SUCCESSFUL (total time: 0 seconds)
```

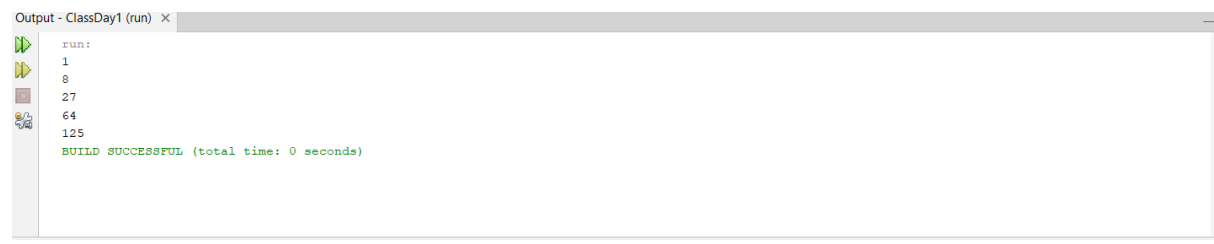
Q 3 wap to print cube of 1 to 5 number.

Ans: package ASSIGNMENT_3;

```

public class question3 {
    public static void main(String[] args) {
        for(int i=1;i<=5;i++)
        {
            System.out.println(i*i*i);
        }
    }
}

```



Q 4 wap to check if a number is prime or not .

ANS: package ASSIGNMENT_3;

import java.util.Scanner;

```

public class question4 {
    public static void main(String[] args) {
        int n,count=0;
        System.out.println("enter any number");
        Scanner r=new Scanner(System.in);
        n=r.nextInt();
        for(int i=1;i<=n;i++)
        {
            if(n%i==0)
            {
                count++;
            }
        }
        if(count==2)
            System.out.println("Prime number");
    }
}

```

```

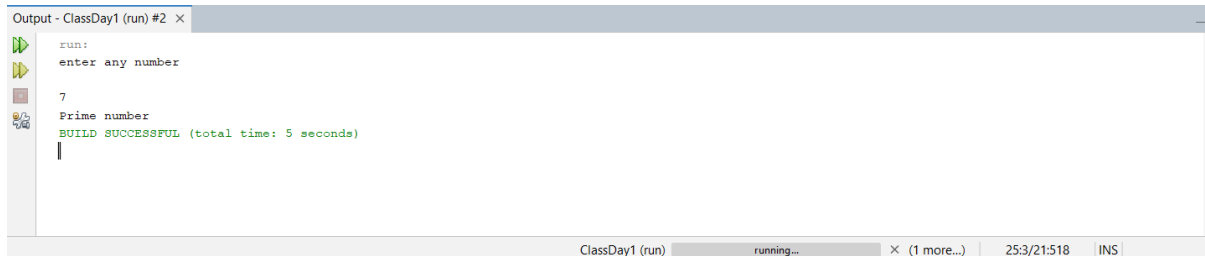
        else

            System.out.println("Not prime");

    }

}

```



```

Output - ClassDay1 (run) #2 x
run:
enter any number
7
Prime number
BUILD SUCCESSFUL (total time: 5 seconds)
|
ClassDay1 (run)  running...  x (1 more...)  25/3/21:518  INS

```

Q 5 wap to print fibonacci series using for loop i.e adding last two results
ex 0 1 1 2 3 5 8 13 21 34

ANS: package ASSIGNMENT_3;

import java.util.Scanner;

public class question5{

 public static void main(String[] args) {

 int term,a=0,b=1,c;

 System.out.println("enter term");

 Scanner r=new Scanner(System.in);

 term=r.nextInt();

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

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

 c=a+b;

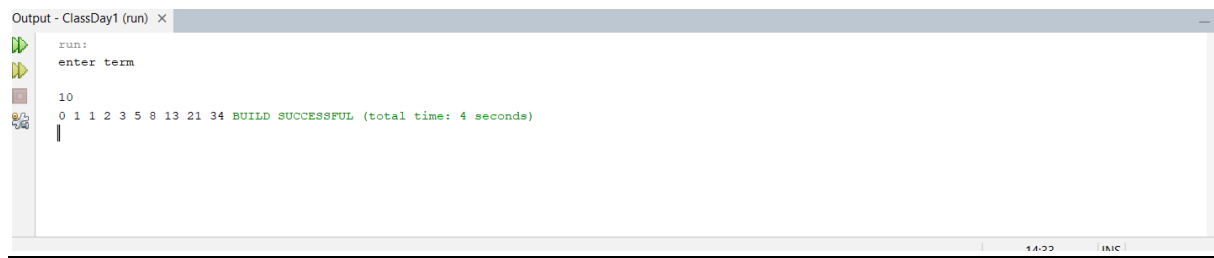
 a=b;

 b=c;

 }

 }

}



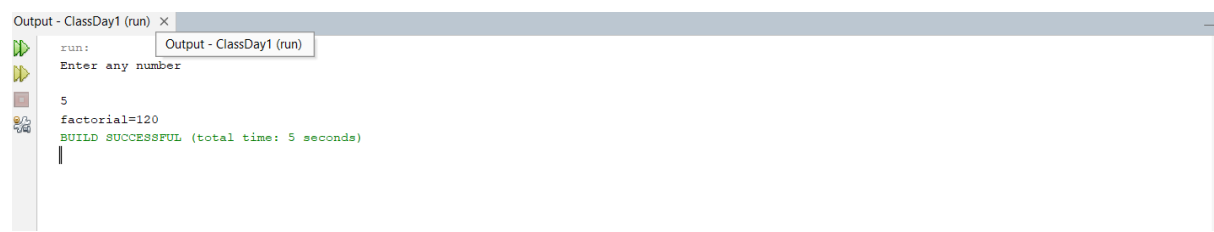
```
Output - ClassDay1 (run) x
run:
enter term
10
0 1 1 2 3 5 8 13 21 34 BUILD SUCCESSFUL (total time: 4 seconds)
```

Q 6 wap to print factorial of a number
5*4*3*2*1

ANS: package ASSIGNMENT_3;

import java.util.Scanner;

```
public class question6 {
    public static void main(String[] args) {
        int n;
        int fact = 1;
        System.out.println("Enter any number");
        Scanner r=new Scanner(System.in);
        n=r.nextInt();
        for(int i=1;i<=n;i++)
        {
            fact=fact*i;
        }
        System.out.println("factorial="+fact);
    }
}
```



```
Output - ClassDay1 (run) x
run:
Enter any number
5
factorial=120
BUILD SUCCESSFUL (total time: 5 seconds)
```

Q 7 wap to ask a number from user and print table of that number

Ans: package ASSIGNMENT_3;

import java.util.Scanner;

```
public class question7 {  
    public static void main(String[] args) {  
        int num;  
        System.out.println("Enter any number");  
        Scanner r=new Scanner(System.in);  
        num=r.nextInt();  
        for (int i=1;i<=10;i++)  
            System.out.println(num+"*"+i+"="+num*i);  
    }  
}
```



The screenshot shows a Java IDE window titled "Output - ClassDay1 (run) x". The output text is as follows:

```
run:  
Enter any number  
3  
3*1=3  
3*2=6  
3*3=9  
3*4=12  
3*5=15  
3*6=18  
3*7=21  
3*8=24  
3*9=27  
3*10=30  
BUILD SUCCESSFUL (total time: 4 seconds)
```

Q 8 wap to print prime numbers between 2 to 20

Ans: package ASSIGNMENT_3;

```
public class question8 {  
    public static void main(String[] args) {  
        for(int no=2;no<=20;no++)  
        {  
            int temp=0;  
            for(int i=2;i<=no-1;i++)  
            {  
                if(no%i==0)
```

```

        temp=temp+1;

    }

    if(temp==0)
        System.out.println(no);

    }

}

```



Output - ClassDay1 (run) ×

```

run:
2
3
5
7
11
13
17
19
BUILD SUCCESSFUL (total time: 0 seconds)

```

Q 9 print patterns like

```

*
**
***
****
*****

```

Ans: package ASSIGNMENT_3;

```

public class question9a {
    public static void main(String[] args) {
        int i,j;
        for ( i = 0; i <= 5; i++) {
            for ( j = 0; j < i; j++) {
                System.out.print("*");

            }

            System.out.println("\n");
        }
    }
}

```

```
}  
}
```

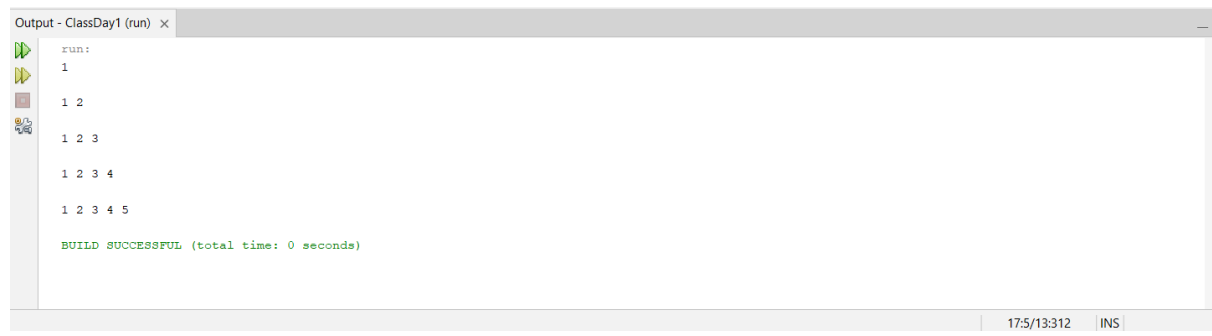


```
Output - ClassDay1 (run) ×  
run:  
*  
**  
***  
****  
*****  
  
BUILD SUCCESSFUL (total time: 0 seconds)
```

b) 1
1 2
1 2 3
1 2 3 4
1 2 3 4 5

ANS:

```
package ASSIGNMENT_3;  
  
public class question9b {  
    public static void main(String[] args) {  
  
        for (int i = 1; i<=5; i++) {  
            for ( int j = 1; j <=i; j++) {  
                System.out.print(j+ " ");  
            }  
            System.out.println("\n");  
        }  
    }  
}
```



c) A B C D

A B C

A B

A

ANS:

```
package ASSIGNMENT_3;
```

```
public class question9c {
```

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

```
        char r='A';
```

```
        for(int i=1;i<=4;i++)
```

```
        {
```

```
            r='A';
```

```
            for (int j = 4; j >= i; j--) {
```

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

```
                r++;
```

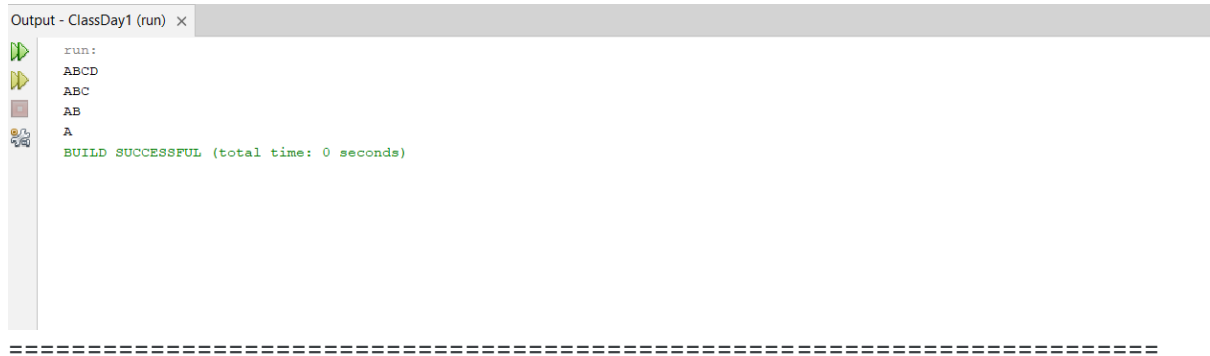
```
            }
```

```
            System.out.println(" ");
```

```
        }
```

```
    }
```

```
}
```

```

D  A B C D  D C B A
  A B C      C B A
    A B      B A
      A      A
  
```

ANS:

```

package ASSIGNMENT_3;

public class question9d {

    public static void main(String[] args) {

        char r='A';

        int space=0;

        for (int i = 1; i <= 4; i++)
        {
            r='A';

            for (int j = 4; j >= i; j--)
            {
                System.out.print(r);

                r++;
            }

            for (int l = 0; l < space; l++)

                System.out.print(" ");

            for (int j = 4; j >= i; j--) {

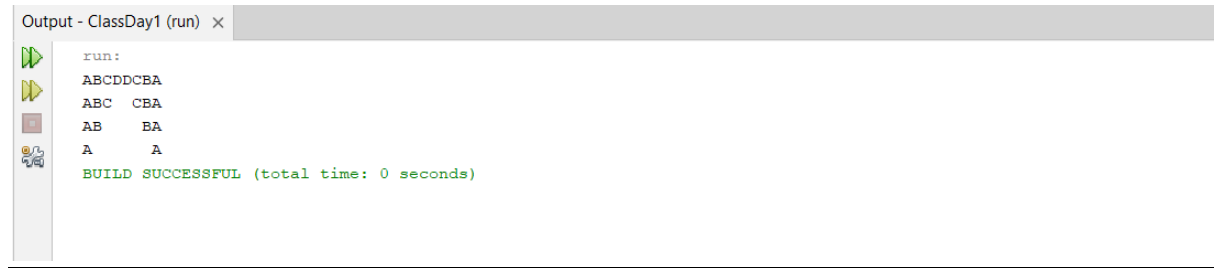
                r--;

                System.out.print(r);
            }
        }
    }
}
  
```

```

    }
    space=space+2;
    System.out.println();
}
}
}

```



```

Output - ClassDay1 (run) x
run:
ABCD CBA
ABC  CBA
AB   BA
A    A
BUILD SUCCESSFUL (total time: 0 seconds)

```

E A
AB
ABC
ABCD
ABCDE

ANS:

```

package ASSIGNMENT_3;

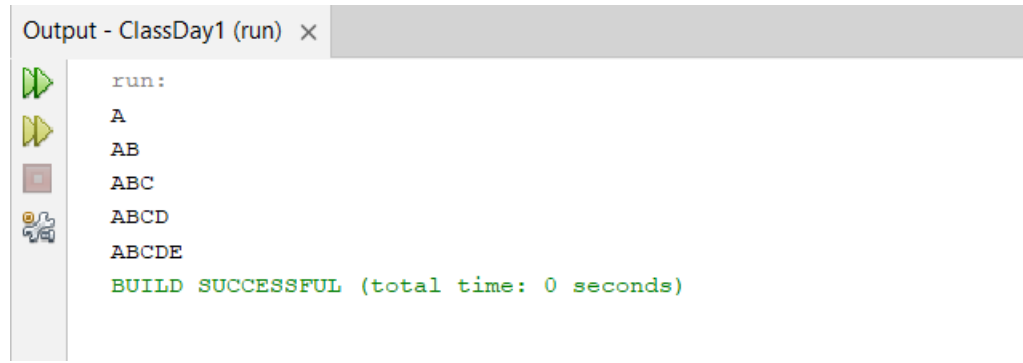
public class question9e {
    public static void main(String[] args) {
        char ch='A';
        for (int i = 1; i <= 5; i++) {
            ch='A';
            for (int j = 1; j <= i; j++) {
                System.out.print(ch + " ");
                ch++;
            }
            System.out.println();
        }
    }
}

```

```

    }
}
}

```



```

F 1
  2 2
  3 3 3
  4 4 4 4
  5 5 5 5 5

```

ANS:

```

package ASSIGNMENT_3;

public class question9f {
    public static void main(String[] args) {
        for (int i = 1; i <= 5; i++) {
            for (int j = 1; j <= i; j++) {
                System.out.print(i+" ");
            }
            System.out.println();
        }
    }
}

```

Output - ClassDay1 (run) ×



run:

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

BUILD SUCCESSFUL (total time: 0 seconds)