ASSIGNMENT:-3

Q 1 wap to print number 1 to 100.

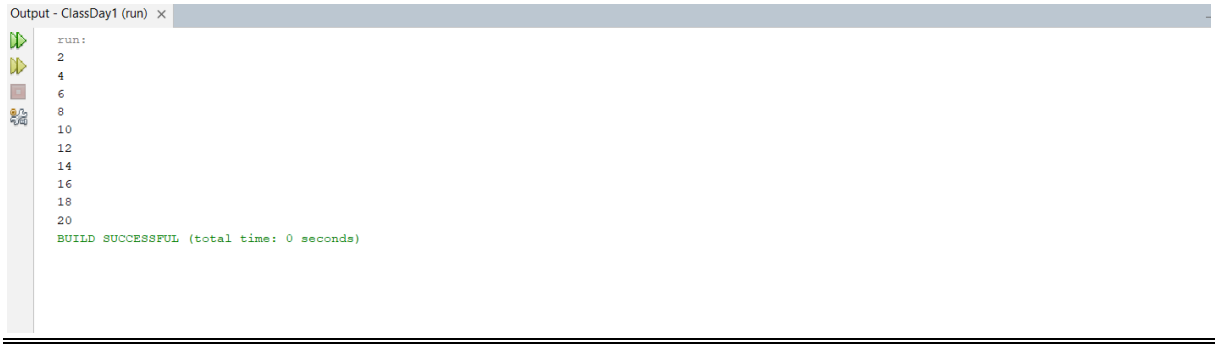
ANS: package ASSIGNMENT_3;

```
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;

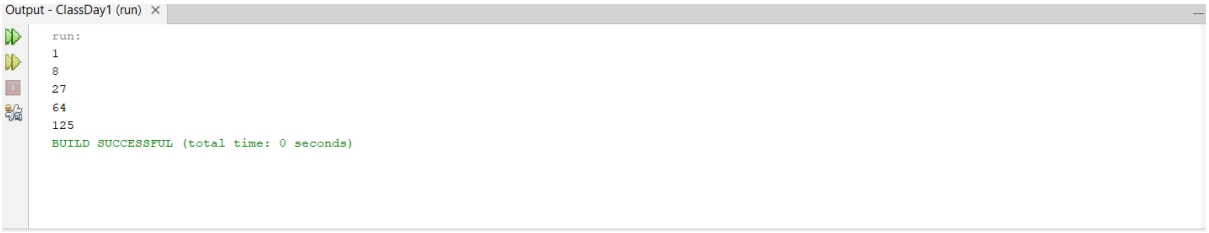
```
public class question2 {
    public static void main(String[] args) {
        for(int i=1;i<=20;i++)
        {
            if(i%2==0){
                System.out.println(i);
            }
        }
    }
```



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);
        }
    }
 }
```

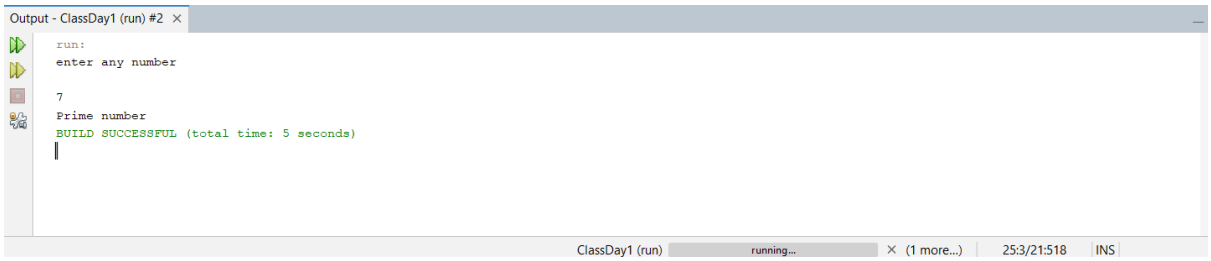


Q 4 wap to check if a number is prime or not .

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");
```

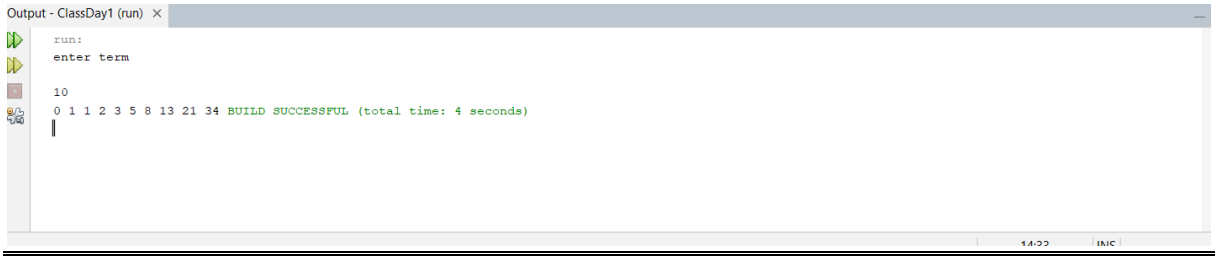
```
        else
            System.out.println("Not prime");
    }
}
```



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;
        }
    }
}
```

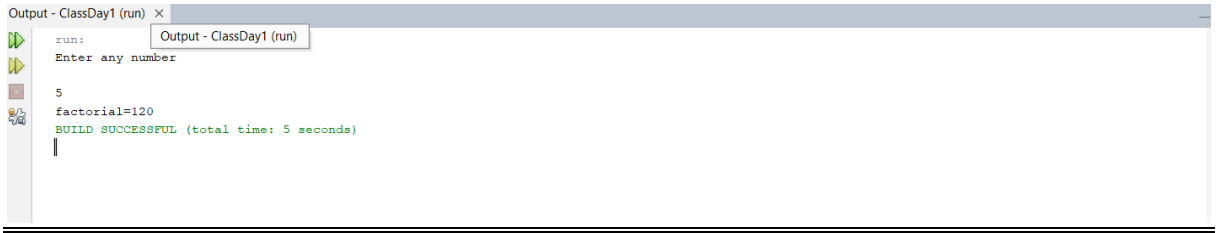


Q 6 wap to print factorial of a number
5*4*3*2*1

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);
   }
}
```



Q 7wap 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);
    }
}
```

Q 8 wap to print prime numbers between 2 to 20

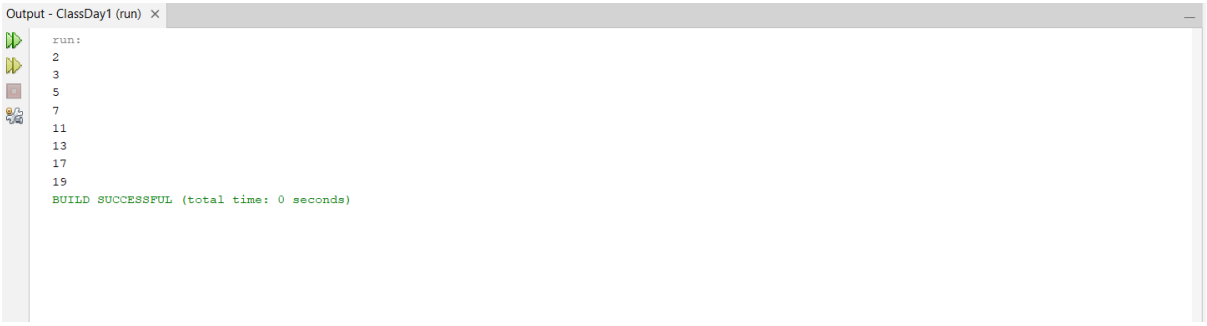
Ans: package ASSIGNMENT_3;

```
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);

    }
  }
}
```



Q 9 print patterns like

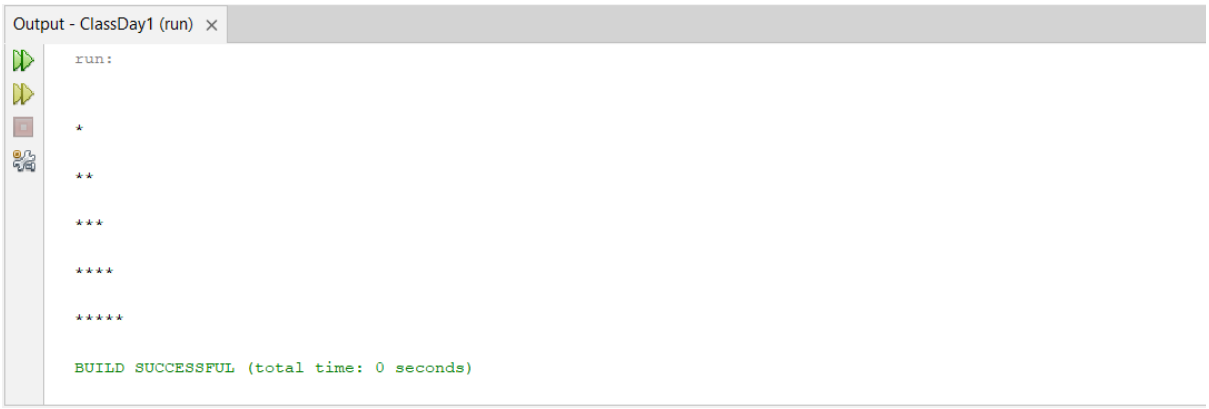
```
*
**
***
****
*****
```

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");
         }
```

```
    }
}
```



---

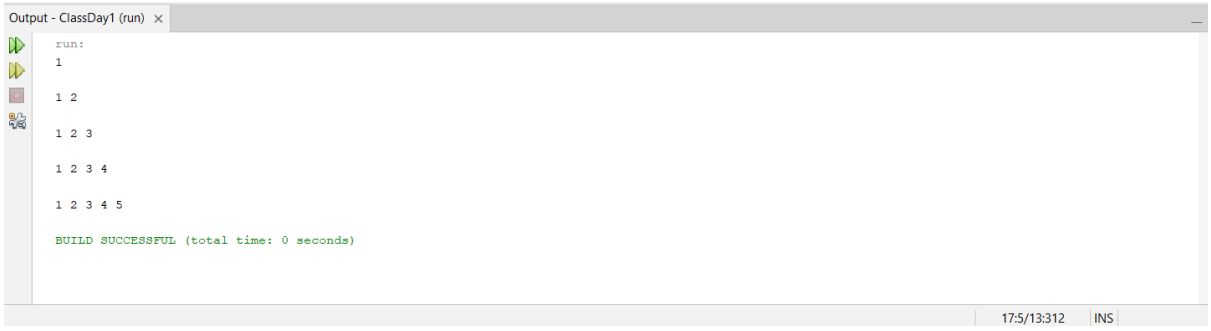
b) 1
1 2
1 2 3
1 2 3 4
1 2 3 4 5

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");
          }
        }
     }
```



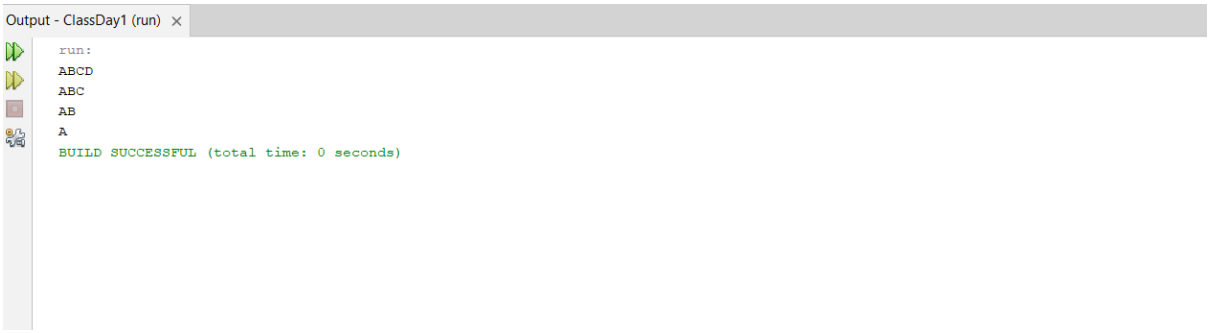
c) A B C D
A B C
A B
A

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

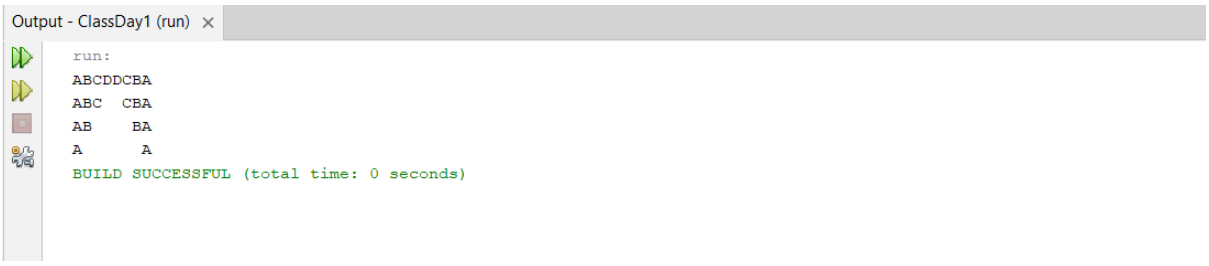
ANS:

```
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();
      }
   }
}
```



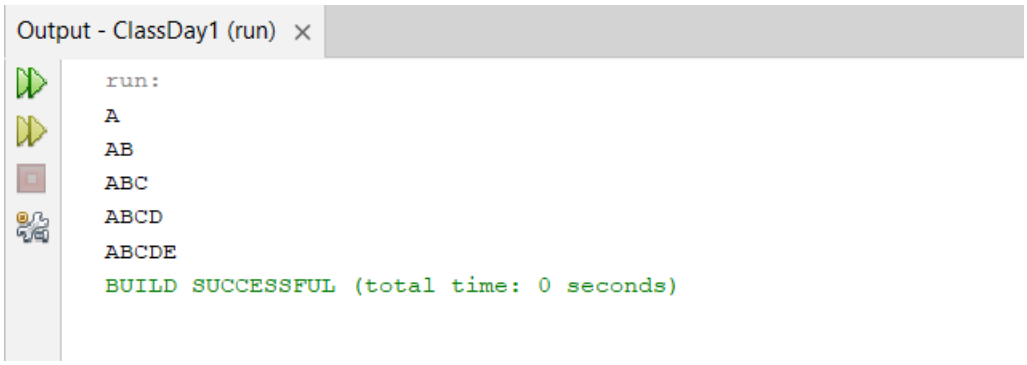
E A
AB
ABC
ABCD
ABCDE

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

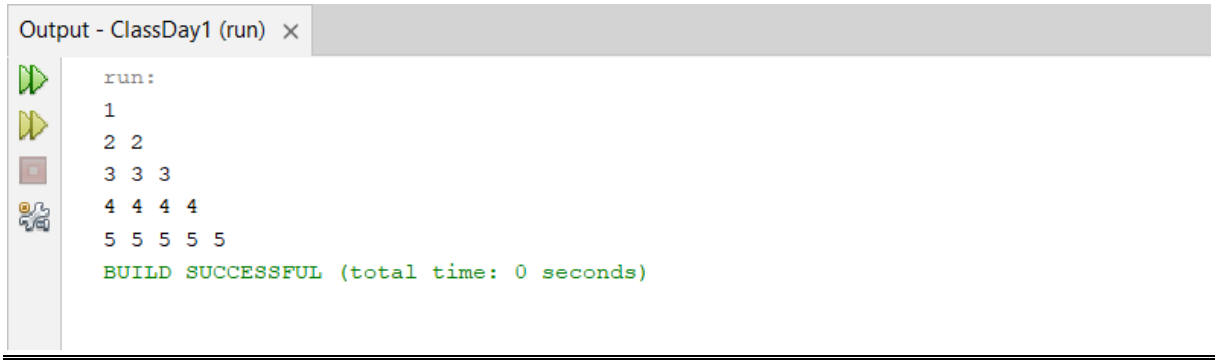
ANS:

```
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)