**PRACTICAL-1**

**Program Code:**

import java.util.\*;

class Vowels\_practice

{

public static void main(String[] args)

{

String str="1111111212ABCDEIOUFGFDGEabcdeiuoeioe1212121";

int count=0;

for(int i=0;i<str.length();i++)

{

char c=str.charAt(i);

if(c=='A'||c=='E'||c=='I'||c=='O'||c=='U'||c=='a'||c=='e'||c=='i'||c=='o'||c=='u')

count++;

else

continue;

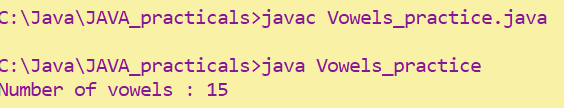
}

System.out.println("Number of vowels : "+count);

}

}

**Output:**



**PRACTICAL-2**

**Program Code:**

import java.util.\*;

class Find\_practice

{

public static void main(String[] args)

{

int count\_char=0,count\_digit=0,count\_symbol=0;

String str="Depstar @2020";

for(int i=0;i<str.length();i++)

{

char c=str.charAt(i);

if (c>='A' && c<='z')

count\_char++;

else if(c>='0' && c<='9')

count\_digit++;

else if(c!=' ')

count\_symbol++;

else

continue;

}

System.out.println("Total Characters : "+count\_char);

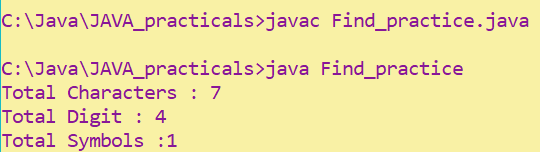
System.out.println("Total Digit : "+count\_digit);

System.out.println("Total Symbols :"+count\_symbol);

}

}

**Output:**



**PRACTICAL-3**

**Program Code:**

import java.util.\*;

class Check\_Password

{

public static void main(String[] args)

{

int count\_upper=0,count\_digit=0,count\_symbol=0,count\_lower=0;

Scanner input=new Scanner(System.in);

System.out.print("Enter your password : ");

String str=input.nextLine();

if(str.length()<8)

System.out.println("Your password is invalid, Please select a strong password");

else{

for(int i=0;i<str.length();i++)

{

char c=str.charAt(i);

if (c>='A' && c<='Z')

count\_upper++;

else if(c>='a'&&c<='z')

count\_lower++;

else if(c>='0' && c<='9')

count\_digit++;

else if(c!=' ')

count\_symbol++;

else

continue;

}

if(count\_upper>=1 && count\_digit>=1 && count\_symbol>=1&&count\_lower>=0)

System.out.println("Your password satisfied all the conditions\nPassword accepted");

else

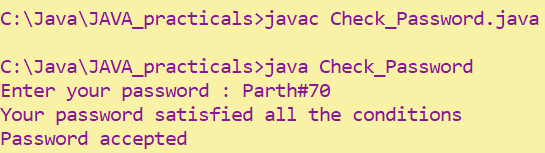
System.out.println("Your password is invalid, Please select a strong password");

}

}

}

**Output:**



**PRACTICAL-4**

**Program Code:**

import java.util.\*;

class String\_anagram

{

public static void main(String[] args)

{

Scanner input=new Scanner(System.in);

System.out.print("Enter the string 1 : ");

String str1=input.nextLine();

System.out.print("Enter the string 2 : " );

String str2=input.nextLine();

char str1\_array[]=str1.toCharArray();

Arrays.sort(str1\_array);

char str2\_array[]=str2.toCharArray();

Arrays.sort(str2\_array);

if(Arrays.equals(str1\_array,str2\_array))

System.out.println(str1+" and "+str2+" are anagrams");

else

System.out.println(str1+" and "+str2+" are not anagrams");

}

}

**Output:**

