**Assignment A4**

/\*Set A=(1,3, a, s, t, i} represent alphanumeric characters permitted to be used to set the password of length 4. Write C/C++ program to generate all possible passwords.\*/

========================================================================

**#include**<iostream>

**using** **namespace** std;

**class** password

{

**char** a[6]={'1','3', 'a','s','t','i'};

**int** n,count;

**public**:

**password**()

{

n=6;

count=0;

}

**void** **display**()

{

**for**(**int** i=0 ; i<n ; i++)

{

**for**(**int** j=0 ; j<n ; j++)

{

**for**(**int** k=0 ; k<n ; k++)

{

**for**(**int** l=0 ; l<n ; l++)

{

cout<<"\n"<<a[i]<<a[j]<<a[k]<<a[l];

count++;

}

}

}

}

cout<<"\nNo. of Combinatons : "<<count;

}

};

**int** **main**()

{

password p;

p.display();

**return** 0;

}

===========================================================================Output

1111

1113

111a

111s

|

|

|

iiia

iiis

iiit

iiii

No. of Combinatons : 1296