**Draw the class diagram based on the followingspecifications: Create a class MyMailList with name,mailID as private attributes. Code the constructor,toString() method. Develop the main() method whichis menu driven that stores data of 5 persons in a array and has the following menu options:1. Add newMail, 2. Display all data.**

**//Mail list class**

**package** Sah;

**public** **class** MyMailList {

**private** String name;

**private** String mailId;

MyMailList(String name,String mailId)

{

**this**.name=name;

**this**.mailId=mailId;

}

**public** String getName()

{

**return** name;

}

**public** String getID()

{

**return** mailId;

}

**public** String toString()

{

**return** String.*format*("Name=%s%n mailId=%s%n", getName(),getID());

}

}

**//Menu**

**package** Sah;

**import** java.util.Scanner;

**public** **class** Menu {

**public** **static** MyMailList *m*[];

**private** **static** **int** *i*=0;

**private** **static** Scanner *s*=**new** Scanner(System.***in***);

**public** **static** **void** initialize(**int** n)

{

*m*=**new** MyMailList[n];

}

**public** **static** **int** Menuselection()

{

System.***out***.println("<<<<<<<<<<<<<<<<<Menu>>>>>>>>>>>>>>>>>>>");

System.***out***.println("1.Add new mail");

System.***out***.println("2.Display all data");

System.***out***.println("3.Exit");

System.***out***.println("Enter the choice:");

**return** *s*.nextInt();

}

**public** **static** **void** AddnewMail()

{

System.***out***.println("Enter the detail to add:Name and Mail ID");

MyMailList temp=**new** MyMailList(*s*.next(),*s*.next());

System.***out***.println("Data is added ");

*m*[*i*++]=temp;

}

**public** **static** **void** DisplayAll()

{

System.***out***.println("<<<<<<<<<<<All Detail>>>>>>>>>>>");

**for**(*i*=0;*i*<*m*.length;*i*++)

{

System.***out***.println(*m*[*i*]);

}

}

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

**int** ch;

*initialize*(5);

**while**(**true**)

{

ch=*Menuselection*();

**switch**(ch)

{

**case** 1:

*AddnewMail*();

**break**;

**case** 2:

*DisplayAll*();

**break**;

**case** 3:

System.*exit*(0);

}

}

}

}