**Question 4:**

**for ( int year = 2001;year<=2100;year++) {**

**if( year%400==0 || (year%100!=0&& year%4==0) ){**

**cout<< year <<endl;**

**}**

**}**

**Question 5:**

int number, firstDigit, secondDigit , lastDigit;

cout<<" enter an integer that has digits between 0 and 999"<<endl;

cin>>number;

if (number >=0 && number < 999)

{

//if the number has 3 digits

if (number/100!=0){

lastDigit = number%10;

secondDigit = (number%100)/10;

firstDigit = number/100;

cout<< ((lastDigit\*10)+secondDigit)\*10+firstDigit<< endl;

//if number has 2 digits

}

else if(number/10!=0){

secondDigit = number%10;

firstDigit = number/10;

cout<<secondDigit\*10+firstDigit<<endl;

}

//if the number has only one digit

else {

firstDigit = number;

cout<<firstDigit<<endl;

}

}else{

cout<<"the number must be between 0 and 999 inclusive";

}

**Question 6:**