

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";  
}
```