1.Find out given no is Amrstrong Or Not

step1:Start

step2:Input number ,Num

step3:initialize sum=0

step4:Declare and initialize temp, temp=num

step5: while(num>0)

rem=num%10

sum=sum+rem\*rem\*rem

num=num/10

step6: if(sum==temp)

then print Number is amstrong number

else

print Number is not amstrong number

step7:stop

2.Find out all the Amrstrong number falling in the range of 100-999

Step1: start

Step2: Input number from 100

Step3: i=100 to i<=999

num=i

Step4: Declare and initialize temp=num

Step5: for(i=100;i>=num;num++)

while(num>0)

initialize sum=0

rem=num%10

num=num/10

sum=sum+rem\*rem\*rem

step6:if(sum==temp)

then display Number is amstrong number

else

print Number is not amstrong number

Step7: stop

3.Find out simple as well as compund interest of supplied values

Step1:start

Step2:Accept the Suplied values(Accept the Principle,rate,time)

Step3:calculate SI=(principle\*rate\*time)/100

Step 4:print SI

Step5:calculate CI=principle\*math.pow(1+r\*0.01,t)-p

Step6:print CI

4.supply marks of three subjects and declare the result,result declaration in based below condition:

condition1:all subjects marks is greater than 60 is passed

condition2:any two subject marked are greater than 60 promoted

Condition 3: any one subject marked are greater than 60 or less subject less than 60 is failed.

Step1: Start

Step2: Input subjects a,b and c

 Step3: if( a&&b&&c >60)

                  Then print Passed

                Else if(a&&b||c >60)

                   Then print Promoted

                Else

                   Then print Failed

Step4: Stop

Q5.Calculate the income tax

Step1:start

Step2: enter input CTC

Step3: if(CTC<=180000)

              Then print taxed amount:0

Step4: if(CTC>181000&& CTC <300001)

           Then print taxed amount: CTC\*0.1

Step 5: if(CTC>300000&&CTC<500001)

      Then print taxed amount: CTC\*0.2

Step 6: if (CTC >500000&&CTC<1000001)

        Then print taxed amount:CTC\*0.3

Step7:stop

6.Consider UI based application where you are asking a user to enter his login name and password,after entering the valid user-id and password it will be print the message “welcome”along with username.as per the validation is concered,the program should keep a track login attempts.after three attempts message should flashed saying contact admin and the program should be terminate

Step1:start

Step 2 : Input username & password.

Step 3 : Retry =0;

Step 4 : check username & password

Step 5 : If username = existing username & password = existing password

Step 6 : Print “welcome & username”

Step 7 : else

                   Retry ++

Step 8 : Follow the step 2 again.

Step 9 : If Retry =3;

               Print “ Contact Admin”.

Step 10 : Stop.

7.there is an array is size of 15 which may or may not be sorted you should write a program to accept no and search it if it contain in array or not

Step1:Accept Array

Step2:Display Array

Step3:Enter the element you want to search in array i.e key

Step4:set boolean flag=false(if flag is flag in our array element is not present)

Step5:use for Loop for each element

if arr[index]==key

then set flag==true

end for loop

Step6:if flag==true print that element

step7:else print element not found

Q8: Apply Sorting using Bubble Sort

Step 1: Begin

Step 2: Input a[15]

Step 3: Set i=13

Step 4: Repeat Step 4to 9 while (i >= 0)

Step 5: Set j=0

Step 6: Repeat Step 7 and 8 white (j<= i)

Step 7: if a[i]> a[j+1] then

             Set temp = a[j]

             A[j] =a[j+1]

             A[j+1] = temp

Step 8: j = j+1

Step 9: i= i-1

Step 10: print a[15]

Step 11: exit

Q9.Accept the marks of three students for subject say A,B,C find the total scored and the average and the average in all subjects,also findbthe total and average scored by student in each respective subject.

Step1:     Start

Step 2:    Set sub= 3

Step 3:    Sum of subject=  A+B+C

Step 4:    Avrage = Sum of subject / sub

Step 5:.   Set std = 3

Step 6:.   Sum of Sub A=A+A+A

Step 7:    Avrage =Sum of Sub A/std

Step 8:    Sum of Sub B=B+B+B

Step 9:    Avrage =Sum of Sub B/std

Step 10:   Sum of Sub C=C+C+C

Step 11:    Avrage =Sum of Sub C/std

Step 12:    End