1.Find out given no is Amrstrong Or Not

ANS:

step1:Start

step2:Accept number i.e Num

step3:initializ sum=0

step4:Assign No value to Temp i.e temp=num

step5:rem=Num%10

sum=sum+rem*rem*rem

Num=Num/10

step6:while(Num>0) then goto step5

otherwise goto 7

step7:if(sum==temp)then display Number is amstrong number otherwise go to 9

step8:stop

step9:Display display Number is not amstrong number.

Step 10:stop

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

ANS:

Step1:start

Step2:Accept the number from 100

Step3:set i=100 to

i<999

num=i

Step4:temp=num

Step5:while(num>0)

initializ sum=0

rem=num%10

num=num/10

sum=sum+rem*rem*rem

step6:if(sum==temp)then display Number is amstrong number

otherwise Display display Number is not amstrong number

Step7:i++

Step8:stop

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

ANS:

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

Step8:Stop.

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

ANS:

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 : Start

Step2: Accept Array

Step3: Display Array

Step4 : Enter the element you want to search in array i.e key

Step5: set boolean flag=false(if flag is flag in our array element is not present)

Step6: Use for Loop for each element

if arr[index]==key

then set flag==true

end for loop

Step7: if flag==true print that element

Step8: else print element not found

Step9:Stop.

Q8: Apply Sorting using Bubble Sort

Step 1: Start
Step 2: Begin
Step 3: Input a[15]
Step 4: Set i=13
Step 5: Repeat Step 4to 9 while (i >= 0)
Step 6: Set j=0
Step 7: Repeat Step 7 and 8 white (j<= i)
Step 8: if a[i]> a[j+1] then

Set temp = a[j]
A[j] =a[j+1]
A[j+1] = temp

Step 9: j = j+1
Step 10: i= i-1
Step 11: print a[15]
Step 12: End

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 find the total and average scored by student in each respective subject.

ANS:

Step1: Start

Step 2: Set sub= 3

Step 3: Sum of subject = A+B+C

Step 4: Average = Sum of subject / sub

Step 5: Set std = 3

Step 6: Sum of Sub A=A+A+A

Step 7: Average =Sum of Sub A/std

Step 8: Sum of Sub B=B+B+B

Step 9: Average =Sum of Sub B/std

Step 10: Sum of Sub C=C+C+C

Step 11: Average =Sum of Sub C/std

Step 12: End