Sum of digits of anumber _ 462 Number (12)+1 4 -> 1 dy, li 0/0/0

-> 4 + 6 + 2 - Dery Steps = 0 462 ol. 10 -12 (2) n=462 / 10 -> 46 6 461.110 (3)

(4) 46/10 -4)

Assignment-1

- Sum of digits of a number
- Sum of square of digits of a number
- multiplication of 4 digits number-1234=24
- Reverse of a number without using loop
- Print the total number of days message in month of Year for eg: month =3 march month has 31 days
- Check number is even or odd

Conditional operators | We can use with -> <, >, <= , >= , !=] if else statements. # Condutional operations conditional Statements / Control Structure - Decision making statements v-if - ifebe , » if else if else -> dædder elseif v - Nested if else

(11) Loop Statement - for, - while - abwhile for each - only for Arrays. jumpy - goto X Continue; break;

(1) Decision Making Stints Syntax condition or if (expression) & Keyword Stmt executethis true /false if (10>50) & Sysso ("yer");X

Number is even or odd. # Check whether a int n=40; rem = n.1.2 -> 0 if (rem = = 0) Syso("even); 3 else E syro ("odd") -1

1-40/2 24020 40 peren 2/33 -> odd 12 × odd

if-elseif-else true false 1153

L'ogical operators with control Striks -> O P I/P2 dd - AND 1/11 -trus time true 11 - DR - false Faloc true 1 - NOT - false true false - false false felse Ex. username & preewond - DIP Ilpz 1/11 04 11 -True Ture Tene - Tunc false True ~ [v <u>7</u> - true time felse - <u>I</u> I V - feloe felse fase

find largest No. out of there numbers ":a = 45, b = 23, c = 100(i) a > b & & a > c0 < 0 < 0yes No Fabe > fabe 12 (B>C) Lobe -, faloc else E (is Largest)

Example of OR (11) operator

(nouname on email)] Il

ANDV 55 1 5 11 Ls -s only 5 - only 11 password or 208 -- Bolh (|z=1) (|z=1)- none ofboll ("Test" = = "Test")] - stim methods
To compare stimps We can't use

To compare (==) operator

point the grades acc to percentage hande. # WAP to marks = 65 = 50 s Averige marks - 65 = G00d 55 Freedlent 151-70 -s V. Good 71-85 -s Excellent 785 if (marks <= 50) 80) time _ fube E syro ("Average"); 100) 80 <= 70 3 clocif (marks >= 51) de (marks <= 70)

```
# Nested if eloc
                        fress ) §
 Syntax
                  3 else 2 true
                        zeloe
              X
```

Largest No ont of 3 using Nested Ofelse. It (976 110 > 20) Eleve if (a>c) & syso (a is Largest),

reloe & Syso ('c is Largest'),

e & E C = 4 Zeloë & Syso

3

-> April monte has 30 days. -s Dech if (monts==1) { 3 elseif (month) 3 elseif () 2 selseif () b 3 doe 5 __ __ 3

H number is divisble by 5 and 11 in I num = 22; $5 J_{22}$ $\frac{4}{3} \times 1$ if (frum.1.5 == 0) dd (num.1.11 == g) &

fale

Luce Libe

451.5 == 0 X tine