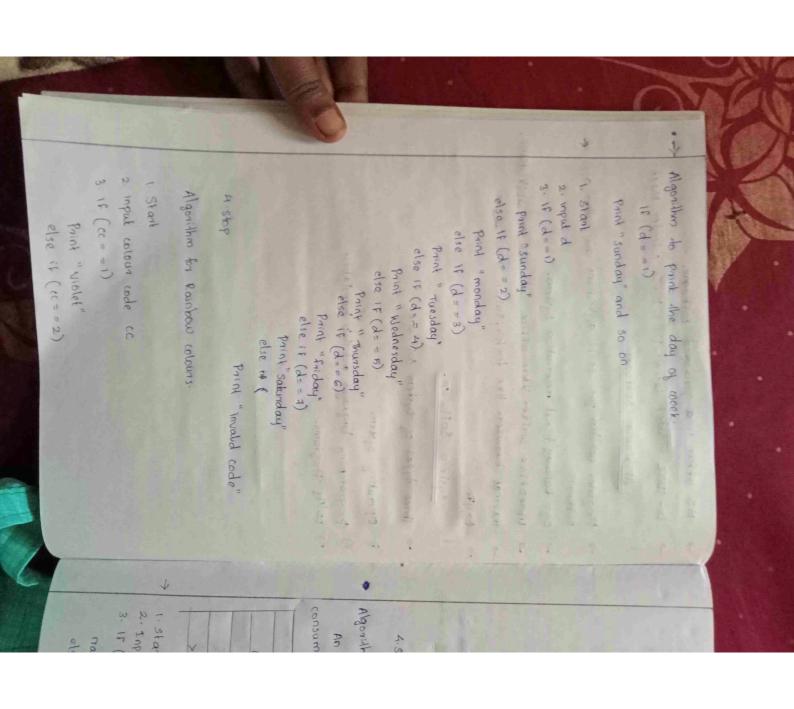
D	0	J L			7								2			
modules that work to gether to met various goals & objective	system software.	-	System software.	built to speakcations.	HIN is a one time expense w	- The is high of contentainment of gm is 3/w.	- HIW & SIW are also used to represent many other Systems.	a software	- The terminology HARDWARE is used to describe the electronic	Programs.	- The general terminology software is use to describe all	- The precise notation is called a programming language.	a bushami expressed and		POWA-RICE DAWN MANAGED AND MAN	
				\$ 5	9	J		J	1	5	J	7		P	7	
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HS office is a parraged software. Application software. Application software. Software. Software. Software. Internet browsers like the fox, satari and throme. Skyte. System Software. System Software.
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· Algorithm to calculate the electricity bill consumers as follows. 1. Start 2. Input units consumed uc 3. IF (UE < 201) 4.500 Print ("indigo")
else if (n==3) An electric power distribution company changes, it's domestic 0, 2,00 nate = 0.50 + uc else if (uc>200) and (uc 2401) 201-400 401-600 Units Print ("blue") else 18 (11==4) else if (cc==5) Print (" Yellow")
else if (cc==6) Print ("orange")
else if (cc = = 7) print ("Red") * Print ("invalid") 390 +1.0 * excess unit consumud. 930 + 0.80 * excess units consumed 100 + 0.65 * excess unto consumed Rs 0.50 Per cinit Rate.

nate = 180+ 0.65 * (uc-200) else 18 (uc > 400) and (uc 2601) Tale = 230 + 0.80 * (UC-400) rate = 390 +10 * (u1-600)

for loop

6. Stop

4. print ("Rate = ", rate)

specifying iteration which allows code to executed repeatedly Syntax 15: in computer science a for loop is a control statement for

to i= 1 to a step. size

body of the loop

next statement.

For eg: For (1=1 to s step 1 · Print (1)

for 1=1 to 10 stops

0/p:= 13579

Print (1)

for 1 = 5 to 1 step -1

(1) posed

0/8 6 4

(1) to atedic D 10 Step2 1. start first o natural numbers 2. Input value of n 2. Input o First a natural numbers and hun squares. 3. for 1-1 to not step! tor in 1 to not step ! 4. Stop. 2. input o 1. Start 4. for 1 = 1 to 0+1 step 1 3-5-0 5 . foint s first a natural numbers and their cubes: 4. Stop. 6. stop print (i, ixi) s=5+1 prind (i)

```
first o natural numbers and their quadry les
 1. Start
 2. Input n
 3. For 1=1 to n+1 Step 1
       Print (i, 1 * 4 4)
  4. Stop
 first N odd numbers.
 1. Start
 2. input N
 3 - for 1=1 to n+1 step 2
         print (i)
 4 Print "Over"
 5. Stop
 first n even numbers
  1 Start
 2. input n
 3. for 1=2 to n+1 step 2
     (i) bring
  4. Print "done"
 5. Stap
 sam of any n numbers.
1. Start
2 input n
3. sum = 0
4. for 1=1 ton
        input = "any number", or
```

sum = sum +m

2/2/21

Algo

11:

21

51

P

Algo

2 4

3 4

4

6

7

9 1

9 1

```
5 : print sum
     Algorithm to find the factorial of a given number.
9/2/2/
      11--1
      2!== 2*1==2
      31==3+2+1==6
      4!== 4+3+2+1== 24
      51==5*41==5*4*3*2!==5*4*3*2*1==120
      - 1. start
        3- input "factorial of which number", n
        2 fact = 1
        3 - for i = 1 to n+1
            fact = fact * i
         4. Print Pact
          5 Stop
          n=4 fact=1 i=1 fact=1
                        1=2 fact = 2
                         1=3 Fact = 6
                         1=4 fact = 24
       Algorithm to print the multiplication table.
         1+2==2
         2 = = = 4
         3 * 2 = = 6
         4 2 = = 8
          5 * 2 == 10
          6 + 2 = = 12
```

10 * 2 = = 20

7 * 2 = 0 14

8 * 2 = = 16

2 = = 18

1. Start

2 input " Number of rows, "

3 mput "multiplication table of which number, in

4. For 1 = 1 to n+1

B. Stop

13 Algorithm to check whether a given number is prime or not

1 Stant

a input" Enter a number", n

8 flag = 0

3. For 1 = 2 to n

Prime ("Prime")

print ("not prime")

8. STOP.

Panol

syn

whole loop. Another iterative statement similar to for loop is while loop syntax is while (expression) Body of loop next start Example For 1 = 1 to 10 (1) fring 1=1 while (i/10) Print (i) 1+1=1 Print ("ove")