# ASSIGNMENT MO:02

Onob : Draw flowchork of 5 problem of your own choice. But people should come up with unique problem.

1) Draw flow chark to calculate dissount price, If price is greater than 500, give him 20% discount otherwise no discount count.

5 tors E

Input Price

Price 18

> 500

Yes

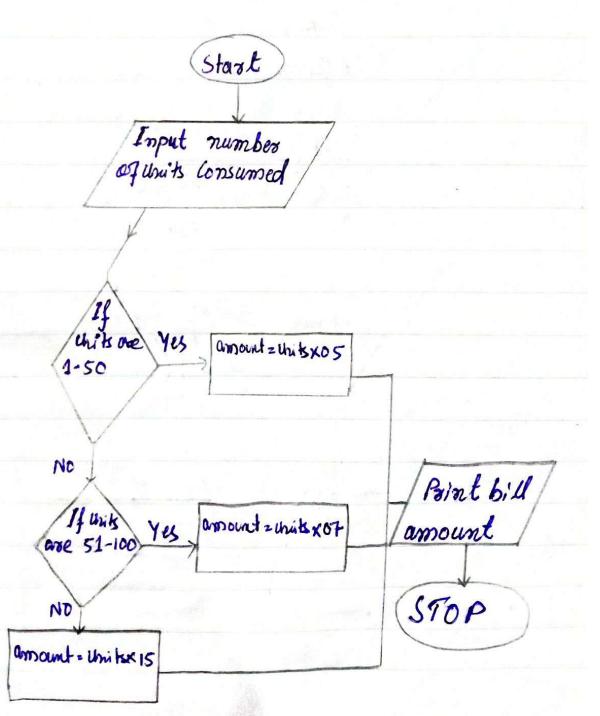
Print cliscount

Stop

insurance insures its employee 2) A Company is female. . If employee is ≥ 30 years and byender is mall. Other wise no insurance. Start Input Gender El Age Lyonolog 75 Genders Formale or age 4 30 Yes /lyive insurance/ by the employee to the employee, Stop

3) Draw a flow chart Ee calculate the electricity bill on following based

Unit Consume	Cost per Unit
1-50	Rs. 05
51-100	RS. 07
101+ 150	Rs. 15



4) Morting the Goade are to number. If num is greater on equal to 80" Pass"
If num is less than 40 "fail" other wise print Average.

Start Imput num Obtained num is 280 Print Pass Ifrom Print is 1 40 Foil Print

s) which of among is greatest x, y, Z Stant Input. N.Y.Z if Yes Print No xsy Yes No /14 Y>Z Print Yes Print STOP

Explain Steps invalve drawing of a Flow chart. Ono4: Step 1:-Stort terminal START) => Start terminal is used for shorting the flow chart. Step2: Int = A Then the declaration Jep3: Input the Day Parallelograms

Input the Data that

is given by the wes we we parallelogram for Input the data.

Step 4: 11 Diamond 2=8 decision diamond for use Step S: = on page Connectors is coversed one half of page he continue on the same is page by tep we use this on page tox. Connectors use chart Your page then we Connectors.

,

Step 6:

A

Off page Competer

on the place when the one page is completed and our flow chart is still remaining that we we see it to connect our chart on the second page.

Step 7:

Out put

Paralletogram

=> when the all process clone

91 after taking decisions we have

a final answer (output). Here

we use perallelogram for displaying

Output.

Step 8:

STOP, Terminal

the last we when output then we Suppose End" the chark, So we Itis Terminal for ending charl. This Terminal which an oval shape is used both (Input the Output) data. has 400

8mos Draw the PAC, HIPD, IPD & flowchart and write the pseudo code for the following problems. Find the largest number among 3.7,2. Thow chart: Input XYSU Yes Print Yes Print 120 "ス" Yes Print STOP

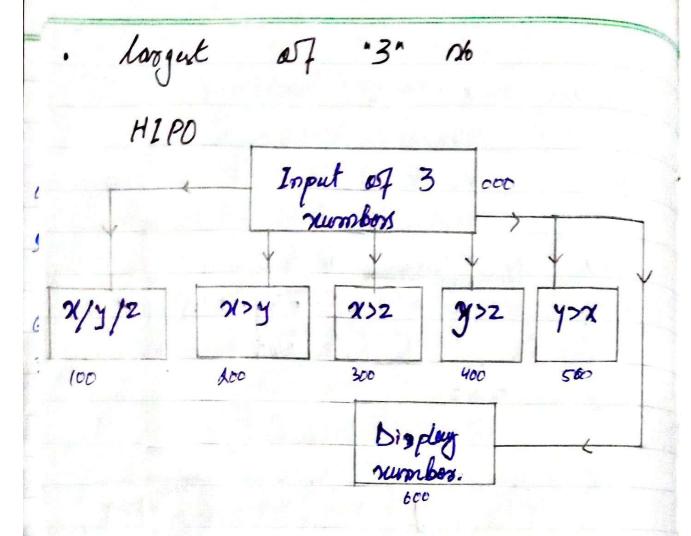
· largest
PAC

of

No:

chart:

Data	Processing	Output
×	Processing	Display Max Value
y	ペンス	
Z	y>x	
mank	y>2	
	Maxim um greatest Value	



Data	Processing	Module	Output
Exput	Displayan	600	Displus
2,7,2	Y > >1	500	nun
	Y > 2	400	
	252	300	Ť.
	71>4	200	
	7,7,2	100	
	Input	000	

a) Find Factorial of Flow chart: Stark Read numb ILO fat \le 1 No Print the Factorial izn 403 16 14 fet & fet \*i Stop

## HIPO CHART

		Factorial	0000	
٠,٠٠٠	160	factor-	fact 6	factor
Input		liol	faut	ial
1000	2000	3000	4000	5000

### . 1Po chart

Data	Process	Module	Output
ć	160	roco	Display
	A A A		n
ກ	Inputn	2000	Display
			fet
fact	fact El	3000	
	fact facti	4000	
	fact	5000	Market Control

. PAC

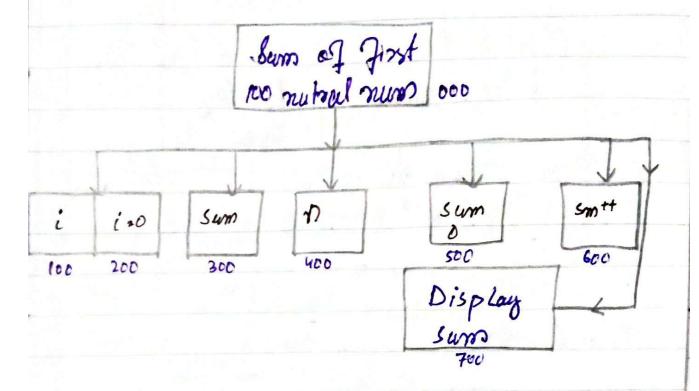
Data	Process	Output
16		Dis play
n	fact xi	factorial
factoried		

l'secoderada:

0.03 Find Sum of first 100 Natural number

O Flow chart: Shot î 20 Sum = 0 Sum 2 Sum+i i=i+1is i No. Yes Y out put End Sam

### HIPO CHART



### · IPO CHART:

				The state of the s
	Input	Process	Podull	Output
	1	i=20	100	Display
	sums	Sum 20	200	Display
		Som Sum ++	300	- Control of the Cont
		Sum	400	
-		n	500	36.

Input	Process	Output
i	160	Display
		Sum
Sum	Sum 20	
	Sums++	

### Ps cu do code:

Bu Determine numbro. the prime Flow chart-Start Count 20 Prime 20 Input any is num Yes num 120 Nok prime Counter+, i++ comparame Is

HIPO chart:-Prince numbers 0000 C20 is bajus iL is prime num 22 ber 0 nun 20 5000 1000 2000 3000 4000 Cours les a number num/! 20 1 5100 5200 Primezo SIIO Counter = C++ Prime = 1 i= i+1 5210 5220 5230 Display = Nis not point 6100 Display Prime 6200

Data	Process	Module	Out put
Counter	Input	1000	Shows prime
i	1	3000	show the
	i=i+1	4000	not poince
	Is prime	5000	
	Is prime	6000	

### PAC

	Data	Processing	Output
	Counter	l'2 num	Display number
	I	num/i!20	is not prima
100	Menn is	i++	
	prime	Count = = nums	

Psuedscode:

Counter 20
Is prime 20
1-2
Input Rumber
if (num %!20)

Counter+

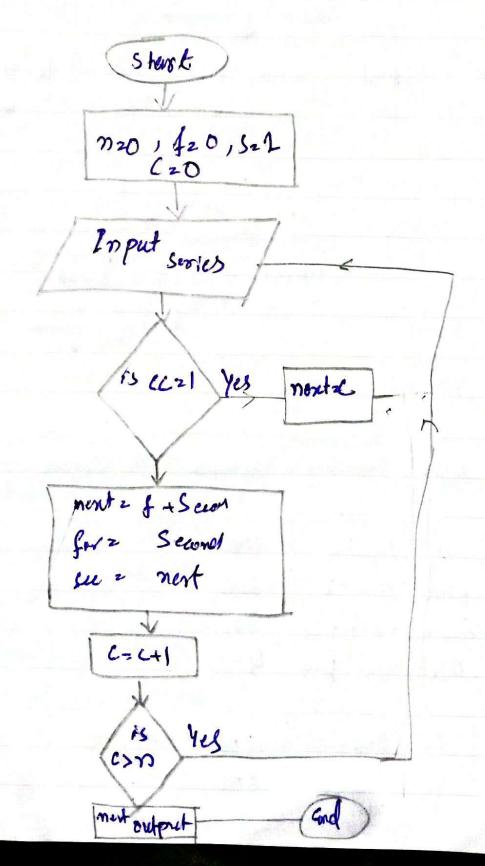
( The Cf Counter = = num)

Else Is prime and white If (Prim=1 then Output (num -1s prime

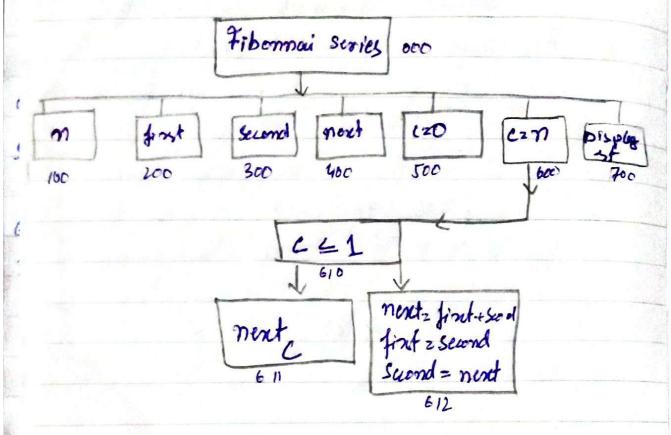
Else out put (num is not prime)

Bro 5

Program generale 50. Items of Fabonacci sories 1, 1, 2, 3, 5, 8



### Hipo changer



Data	Procesing	Module	Output
n	Inputn	100	Display
first	C Z=1	200	series
	next = 6	300	
	next a first	400	
c	first = Sec	500	
	Seconde	600	

### PAC:

Input	Processing	Output
n first	C 20	Nic alau a A
Second	CC21	Display ment
next	nort 2C	
	next=fixt	
	+ Second	
	Sec z ment	

# Pseudocode: 2) Input n 2) Jor 6 t 1 = n 1f (c t = 1) 3) Then next tc olter wise next = first + Leonal first c seconal Seconal I ment Output next

Psuedocode of Bnos (i) X,4,2

O Input x, y, g

@ If (x>y, x>2) Point men is greatet

(3) Délse If (4>x 4(4>2) print

Else point 27 is greatest

3 End.