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Expt. No. .

Page No.

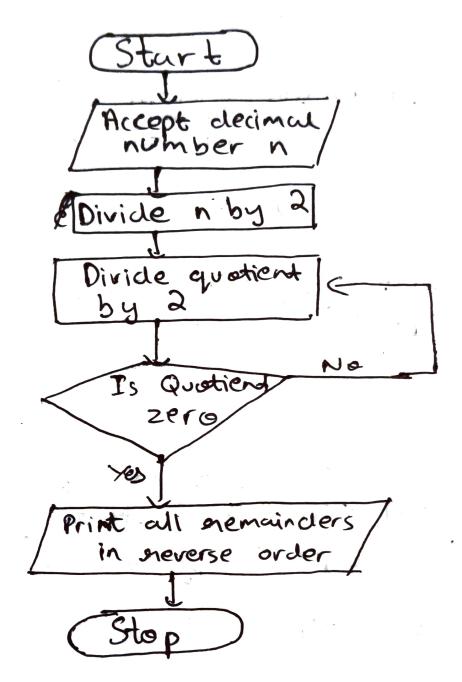
Expt. No	Page No	
	F.Y.B. Tech Academic Year 2021-22	
	Subject - Programming and Problem solving Trimester: 1	
	Name: Pranjay Beniwal Division: 1 Roll no: 101053 Batch: A3	
	Assignment -2(B).	
	Aim: Write algorithm and draw flowthan to convert given decimal number to binary	rt
	Objective:	
1	To understand importance of Flowchart for any programming mode	
٤.	To learn simple flowchart symbols and arrows to define nelationships	
3	To understand and develop visual representation of flow of data	
4	. The Jean and understand the conversion of decimal the binary.	
,	Teacher's Signature	

```
EXT NO
   Theory:
  1) Decimal to binary in C
    # include < stude h7
    # Include (stab.h)
    int main () of
         int a CloJ, n,i;
        System ("(Is");
printf ("Enter the number to convert:");
         Scan f (" 10 d), & n);
Func (i=n, n>0; i++
             ali]=no1,2;
              n=n/2;
         print f (" In Binary of given number is =");
for (i=i-1,is=v,i--)
          print F("%d", aci];
neturn 0;
```

Expt. No.	Fage No
Algorithm:	
Step 2: Star +	
Step 2: Accept decin	ned number n (IIV)
Step 3: Divide n by?	2, note renainder
and quatient	and remainder (Process)
	nt by a and newed
	t and remainder (frocess)
	ig each succesive quotient
by 2 till	you get a quotient
of zero (Proce	
Step6: Print all nem	cynders in neverse order [
Step7: Stop.	

Dale

Flowchart



FAQ: 1. How do you convent decimal to binary? -> Diricle the number by two and note the mem under prepeat this till you get remainder zero. Write all the obtained memainder in reverse order. This is your binary du number

	Date
Expt. N	0 Page No
Q	Mow do you convert fractional deimal value to binary numbers?
-7	John Committee of the C
	Value = $W = (-1)^5 \times 2^{E-127} \times (1.m)$ where $(0 < F < 255)$
	Sign CJ Exponent Traction   Mantissa
3	What is the decimal equivalent of binary number 110?
<u>_</u>	6.
	Conclusion: Thus we dearnot how to convert decimal number
	CONVERT CHECIPOLOGICA (SECTION)
	into binary with its algorithm and flow chart
	CINCK TIOU