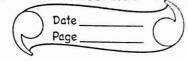
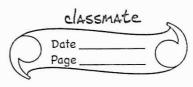
Logic Building Assignment: 3

	Logic Building 17337
- 1.	write a program which accept number to
Art Field	user and display its multiplication of
	factors.
14.	Hinclude (stdio.h)
X	int multFact (int iNo)
	3
	int i Cat = 0
1	int imul=1i
N EM	for (i(n+=1; i(n+ <= (iNo12); i(n++))
	<u> </u>
	if ((iNo 7.1Cn+)==0)
S = 1	§
EL.	imul = imul * i (nt;
	CHI Chillians
7	return imul;
	2
	int main()
	int iValue = 0;
	int ilet = 0;
	printf ("Enter a number: \n");
	scanf (" Y.d", & i Value);
	iRet = MultEart (i)/alue) i "iodi"
	printf ("Multiplication of factors identification
	printf ("Multiplication of factors: ydin indirections of factors: ydin indirection of factors: ydin ind
	where it is input.
	where it is input.



2.	valute a program which accept number from user
115	and display its factors in decreasing order
	#include (stdio.h)
	void FactRev (intiNo)
	1
	int iCnt=0;
	for (i(n+ = iNo/2; i(n+ >=1; i(n+)
TO LO	
1.34	if ((iNo y. i(n+)==0)
2 2 3	
	printf("xdlt", i(nt);
	}
WATER TO	}
	}
	int main()
	int istate i Value = 0;
	Printf ("Enter number; \n");
	Scanf ("xd", Sivalue);
	FactRev (iValue);
	return o;
42	3
	Time complexity: O(N/2)

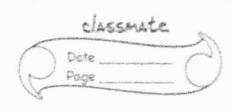
3.	Und min
	user and display all its and
	user and display all its non forton
	soid NonFact (int iNo)
	int icnt = o;
	for (iCnt = L ; iCnt <= iNo ; iCnt++)
	?
	if ((iNo % i(n+)1 = 0)
	{
	printf ("xdlt", i(nt);
	}
	}
	7
	int main()
	\(\tag{ \tag} \tag{ \tag{ \tag{ \tag{ \tag{ \tag{ \tag{ \tag{ \tag{ \ta
	int IValue = 0;
	Printf ("Enter number: In");
	Scanf ("Yd", Sivalue);
	NonFact (iValue)
	return o;
	7
	Time complexity = O(N)



4.	white a program which accept number from
	user and return summation of all its
अली हो	non factors.
	#include (stdio.h)
	int Sumventact (int iNo)
	3
	int iCnt=0;
1/8	int iSum = 0;
	for (i(n+=1; i(n+ <= iNo; i(n+++))
	(+++n) } " !
	if ((iNox. i(nt)!=0)
	3
	iSum = iSum +iCn+;
	1. The series of
	}
Bis), in	return isum;
	}
	int main ()
	3
(EW)	int ivalue = 0;
	int ivalue = 0;
,	int iRet = 0;
,	int ilet = 0; Printf ("Enter number: \n"); scanf ("xd", &iValue);
,	int ilet = 0; Printf ("Enter number: In"); scanf ("x.d", &iValue); iRet = Sum Non Fact (iValue);
,	int ilet = 0; Printf ("Enter number: \n"); scanf ("xd", &iValue); iRet = Sum Non Fact (iValue); printf ("xd", iRet);
,	int ilet = 0; Printf ("Enter number: \n"); scanf ("x.d", &iValue); iRet = Sum Non Fact (iValue);
	int ilet = 0; Printf ("Enter number: \n"); scanf ("xd", &iValue); iRet = Sum Non Fact (iValue); printf ("xd", iRet);

<u> </u>	mm which accept number a
10 2 5	white a program which accept number from user and return difference between
	and return
	summation of all its factors & non factors
	#include (stdio.h)
	int Fact Diff (int iNo)
	{
	·int i(nt=0)
	int iSumn = 0;
7	int isum = oj
	for (i(n+=1; i(n+ <= iNo; i(n+++)
	3
	if ((iNo % iCnt) !=0)
	17.1 3
	iSumn = iSumn + iCnt;
	3
	else if ((iNo / i(n+) == 0 & int!=int
	{
	iSym = iSum + iCnt ;
	}
	return isum - isumn;
	3
	}
	int main()
	\$ - Canada Andreas and a second a second and
	inf iValue = 0;
	int jret = 0;
	INKY = U)
	167
	Was a wine was a said

Page



```
printf ("Enter number");

scanf ("xd", & iValue);

ilet = Fact Diff (iValue);

printf ("xd", iket);

sctum o;

Time complexity = O(N).
```