

Institute of technology of Cambodia

Departments of Information technology and Communication Engineering

Course: Algorithms and programming I

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TP -06 (More practice with loop)

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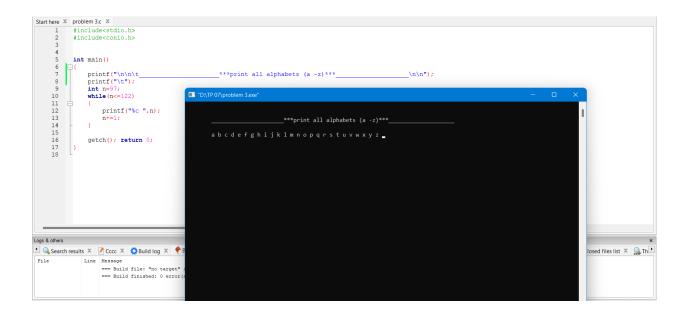
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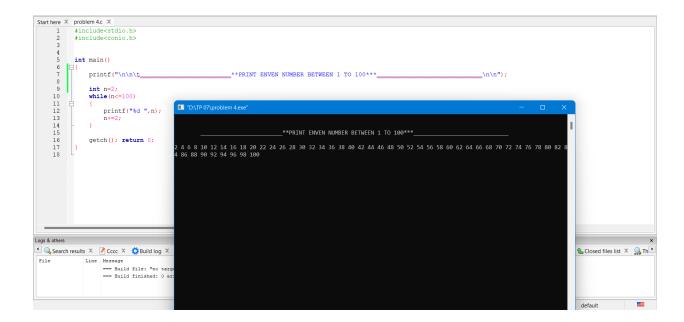
Write a C program to print all natural numbers from 1 to n using while loop

Write a C program to print all natural numbers in reverse (from n to 1). -using while loop

Write a C program to print all alphabets from a to z. -using while loop



Write a C program to print all even numbers between 1 to 100. -using while loop



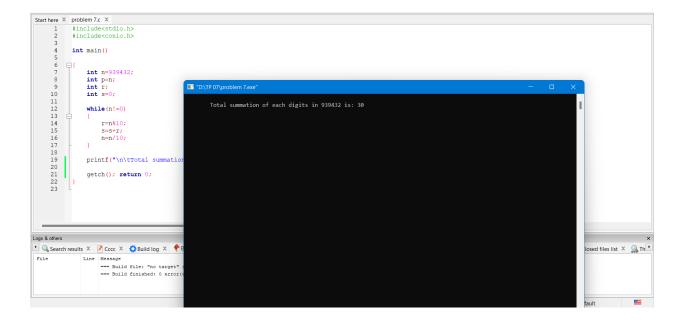
Write a C program to print all odd number between 1 to 100.

Write a C program to count number of digits in a number.

```
Start here X problem & C X

| fincludescatio.h>
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| fint num;
| int digit = 0;
| printf("\n\n\t_t_printf("\n\n\t_t_printf("\n\n\t_t_printf("\n\n\t_t_printf("\n\n\t_t_printf("\n\n\t_t_printf("\n\n\t_t_printf("\n\n\t_t_printf("\n\n\t_t_printf("\n\n\t_t_printf("\n\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_printf("\n\t_t_print
```

Write a C program to calculate sum of digits of a number.



Write a C program to display all primary numbers between [n, m], where n and m are integer numbers input by a user. Validate that n should be always less than m, otherwise shows some message warning.

Write a C program to enter a number and print its reverse.

Write a C program to print all ASCII codes (0-255) and its character.

Write a C program to find power of a number using for loop.

Write a C program to calculate factorial of a number.

Write a C program to check whether a number is Prime number or not.

```
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```

Write a C program to print all Prime numbers between 1 to n.

Write a C program to find sum of all prime numbers between 1 to n.

Write a C program to check whether a number is palindrome or not.

Write a C program to check whether a number is palindrome or not.

Write a C program to check whether a number is Perfect number or not.

```
includesconio.h>
int main()

int num,n,i,sum=0;
printf("\n\Enter your number: ");

casen("e4",num;
nerum;
for(i=1; i<=(n-1); i++)
if (nali==0)
if (sum==num)
{
    printf("\table is perfect number",num);
}

if (sum==num)
{
    printf("\table is not perfect number",num);
}
else
{
    printf("\table is not perfect number",num);
}
getch(); return 0;
}

int num,n,i,sum=0;
printf("\table is not perfect number",num);
}

if (sum==num)
{
    printf("\table is not perfect number",num);
}
else
{
    printf("\table is not perfect number",num);
}
getch(); return 0;
}</pre>
```

Write a C program to convert Binary to Decimal number system.

Thank you!!!