

main.c

```
1 #include <stdio.h>
2
3
4 void main()
5 {
6     int n;
7     printf("enter the number :");
8     scanf("%d",&n);
9     for ( int i=0;i<=n;i++)
10    {
11        printf(" %d",i);
12    }
13 }
14
```

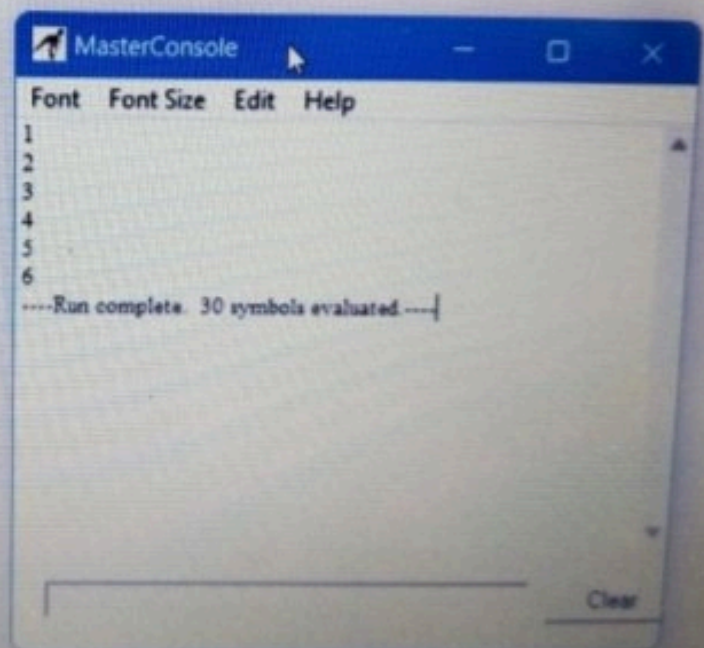
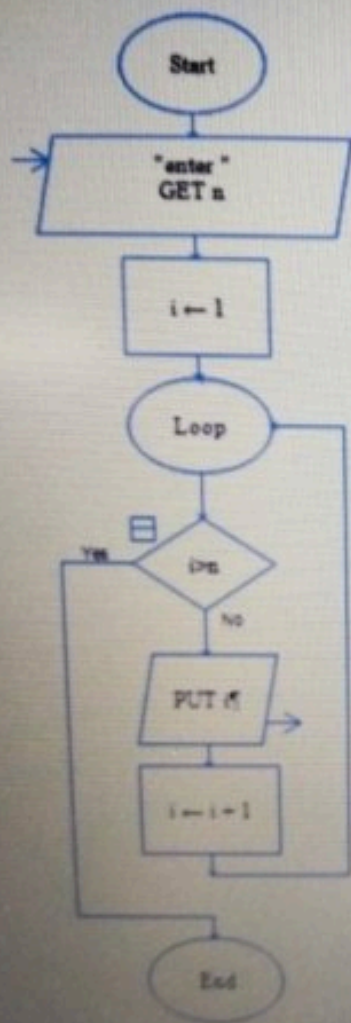
enter the number :8

0 1 2 3 4 5 6 7 8

...Program finished with exit code 0

Press ENTER to exit console.

1 file • GDB



- ① Step 1 - Begin
- ② Step 2 - declare into variable
- Step 3 - Read value
- Step 4 - condition ($i=1; i \leq a; i++$)
- Step 5 - print the variable
- Step 6 - end



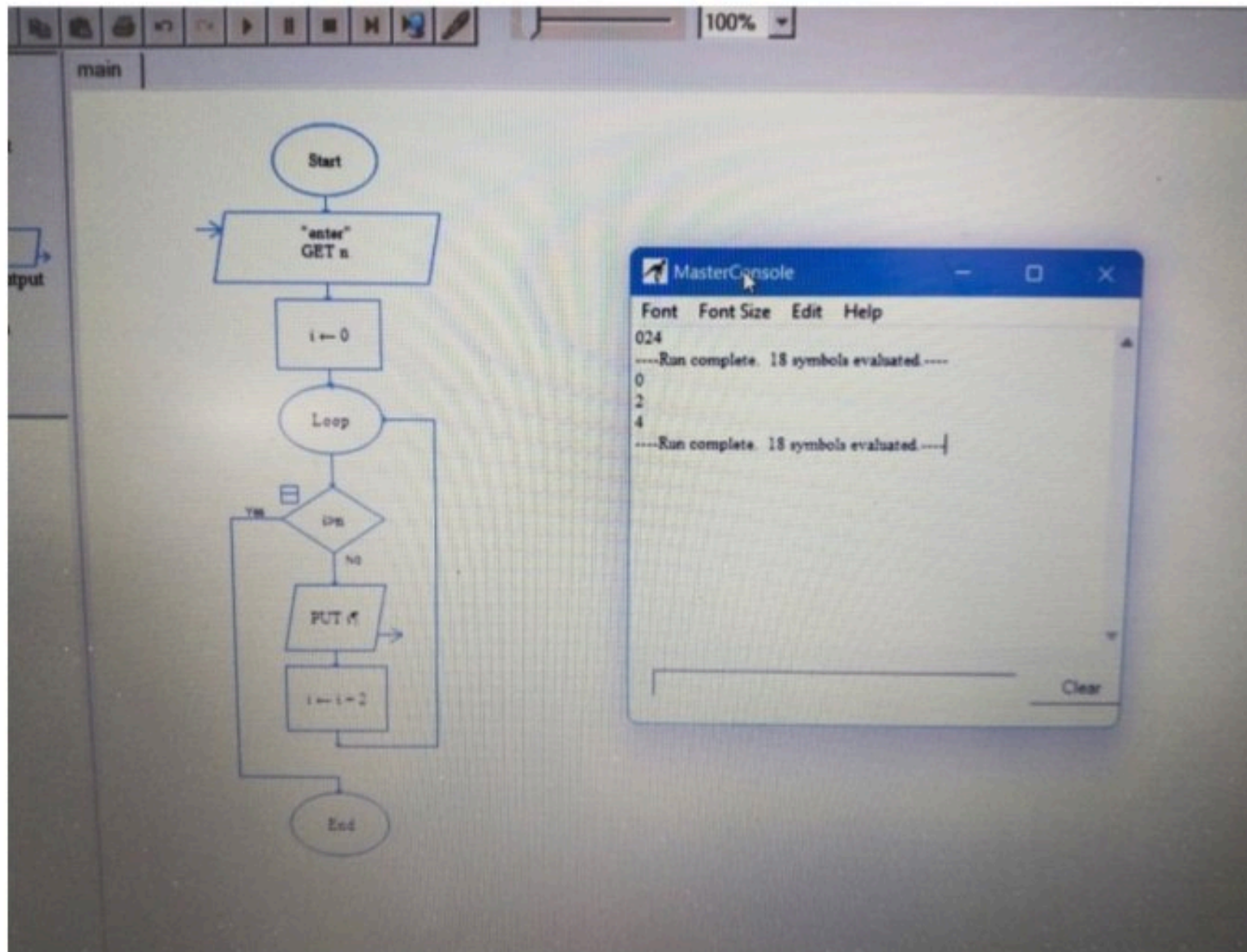
main.c

```
1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n,i,j;
7     printf("enter the number ");
8     scanf("%d",&n);
9     for(i=0;i<=n;i=i+2)
10    {printf(" %d",i);
11    }
12 }
13
```

enter the number 8
0 2 4 6 8

...Program finished with exit code 0
Press ENTER to exit console.

U3 - GDB



- 2]
- Step 1 - begin
 - Step 2 - declare into variable
 - Step 3 - Read value
 - Step 4 - Condition ($i \% 2 == 0$)
 - Step 5 - print the variable
 - Step 6 - end

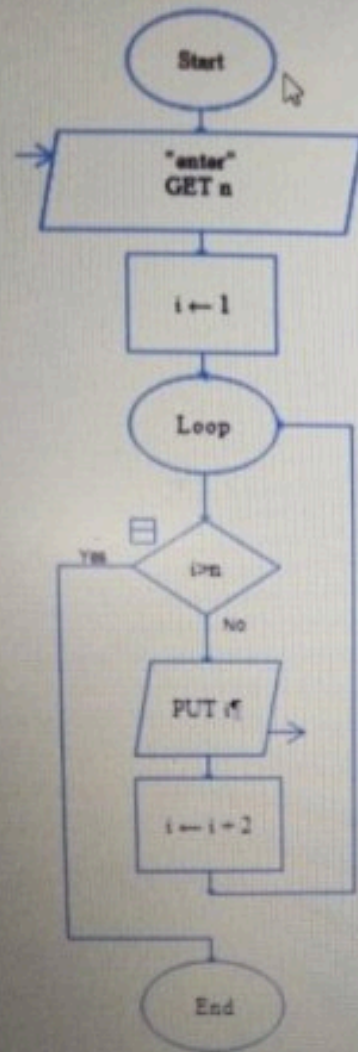
```
main.c
1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n,i,j;
7     printf("enter the number ");
8     scanf("%d",&n);
9     for(i=1;i<=n;i=i+2)
10     {printf(" %d",i);
11     }
12 }
13
```

enter the number 8
1 3 5 7

...Program finished with exit code 0
Press ENTER to exit console.

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Privacy

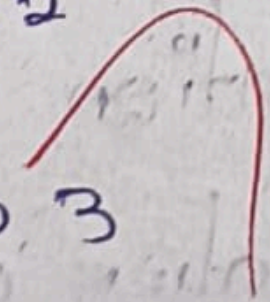


MasterConsole

Font Font Size Edit Help

```
1  
3  
----Run complete. 14 symbols evaluated.----
```

Clear

3)  - begin

Step 1 - declare into variable

Step 2 - Read value

Step 3 - condition ($i \% 2 == 0$)

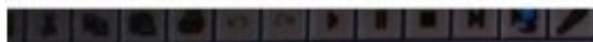
Step 4 - print the value

Step 5 - END

Step 6

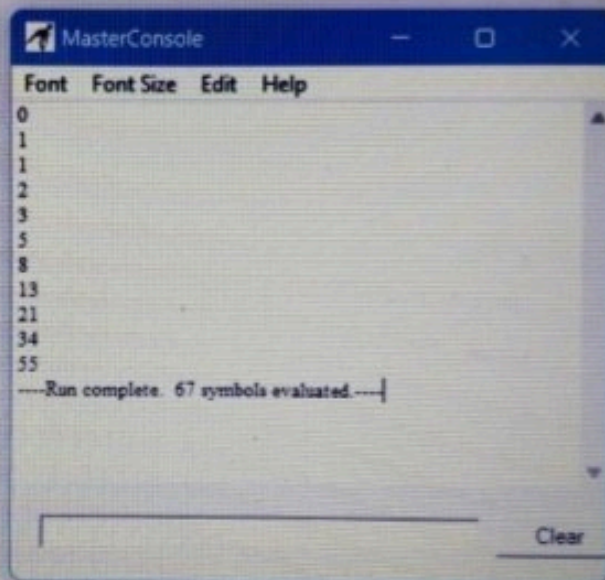
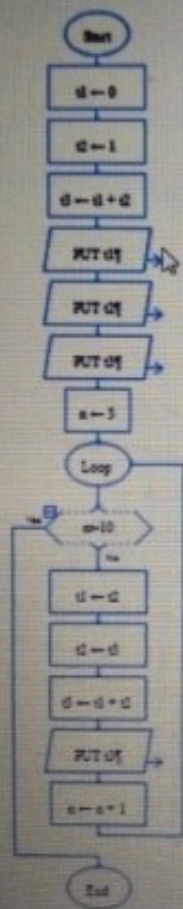
```
1 #include <stdio.h>
2
3
4 void main()
5 {
6     int a=0 ,b=1,n,t ;
7     printf("enter the number ");
8     scanf("%d",&n);
9     while(a<=n){
10        printf("%d,",a);
11
12        t=a;
13        a=b;
14        b=b+t;
15    }
16 }
17
```

enter the number 5
0,1,1,2,3,5,
...Program finished with exit code 0
Press ENTER to exit console.



File
Edit
View
Output
Help

main



4] Step -1 → begin

Step 2 → declare the variable

Step 3 → start a loop than if form

Step 4 → Read the variable.

Step 5 → print the values

Step 6 → END

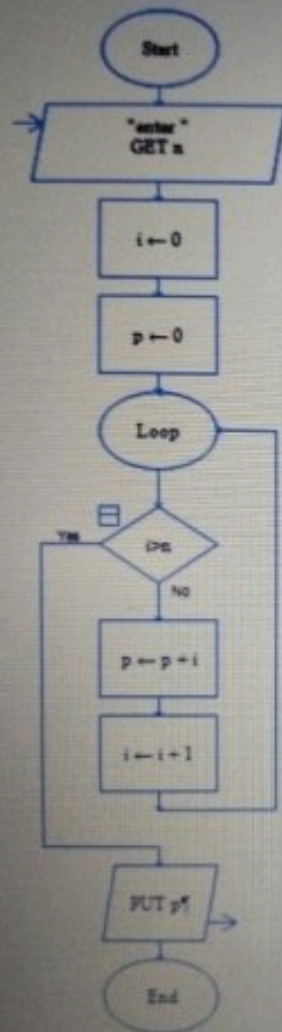


The image shows a screenshot of a C++ IDE. The top toolbar contains buttons for Run, Debug, Stop, Share, Save, and Beautify. The file explorer on the left shows a file named 'main.c'. The code in the editor is as follows:

```
1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n, i;
7     int a=0;
8     printf("enter the number :");
9     scanf("%d", &n);
10    for(i=0; i<=n; i++)
11    {a=a+i;
12    }
13    printf("%d", a);
14
15 }
16
```

Below the code editor, the console output is visible:

```
enter the number :5
15
...Program finished with exit code 0
Press ENTER to exit console.
```



MasterConsole

```
Font  Font Size  Edit  Help
Can't compare these values: NUMBER_KIND STRING_KIND
----Error, run halted----
0
1
3
6
10
----Run complete. 32 symbols evaluated.----
10
----Run complete. 28 symbols evaluated.----
15
----Run complete. 32 symbols evaluated.----
15
----Run complete. 32 symbols evaluated.----
```

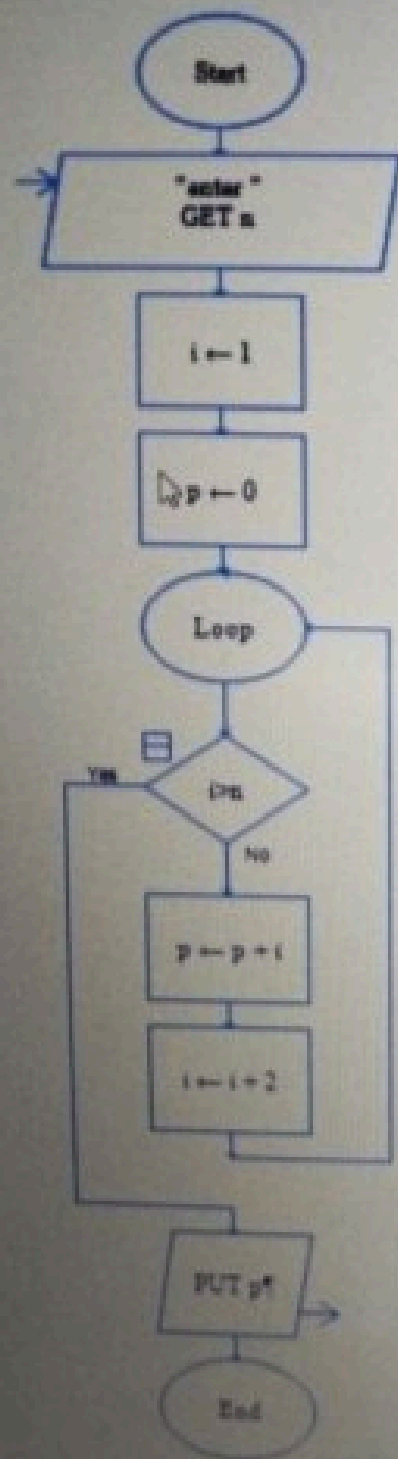
Clear

- 5) step 1 - Begin
- Step 2 - Declaration in the variable
- Step 3 - Start a loop that from
- Step 4 - Each
- Step 5 - print the values
- Step 6 - END

```
main.c
1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n, i;
7     int a=0;
8     printf("enter the number :");
9     scanf("%d", &n);
10    for(i=0; i<=n; i=i+2)
11    {a=a+i;
12    }
13    printf("%d", a);
14
15 }
16
```

enter the number :4
6

...Program finished with exit code 0
Press ENTER to exit console.



MasterConsole

Font Font Size Edit Help

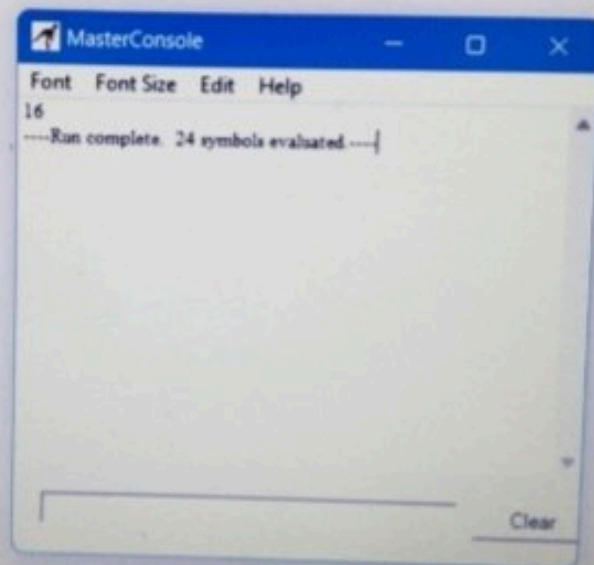
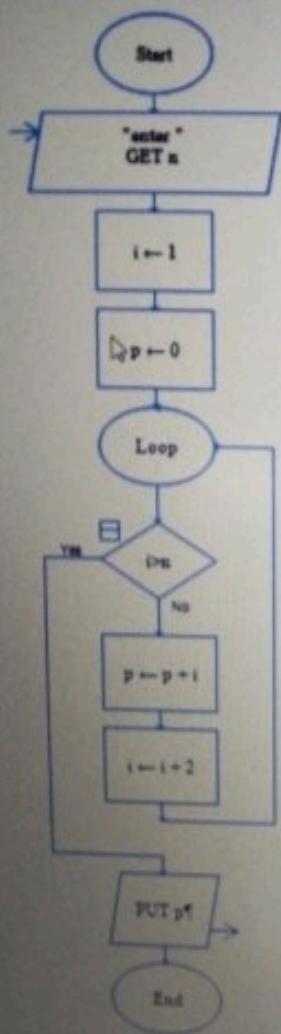
16

----Run complete. 24 symbols evaluated ----

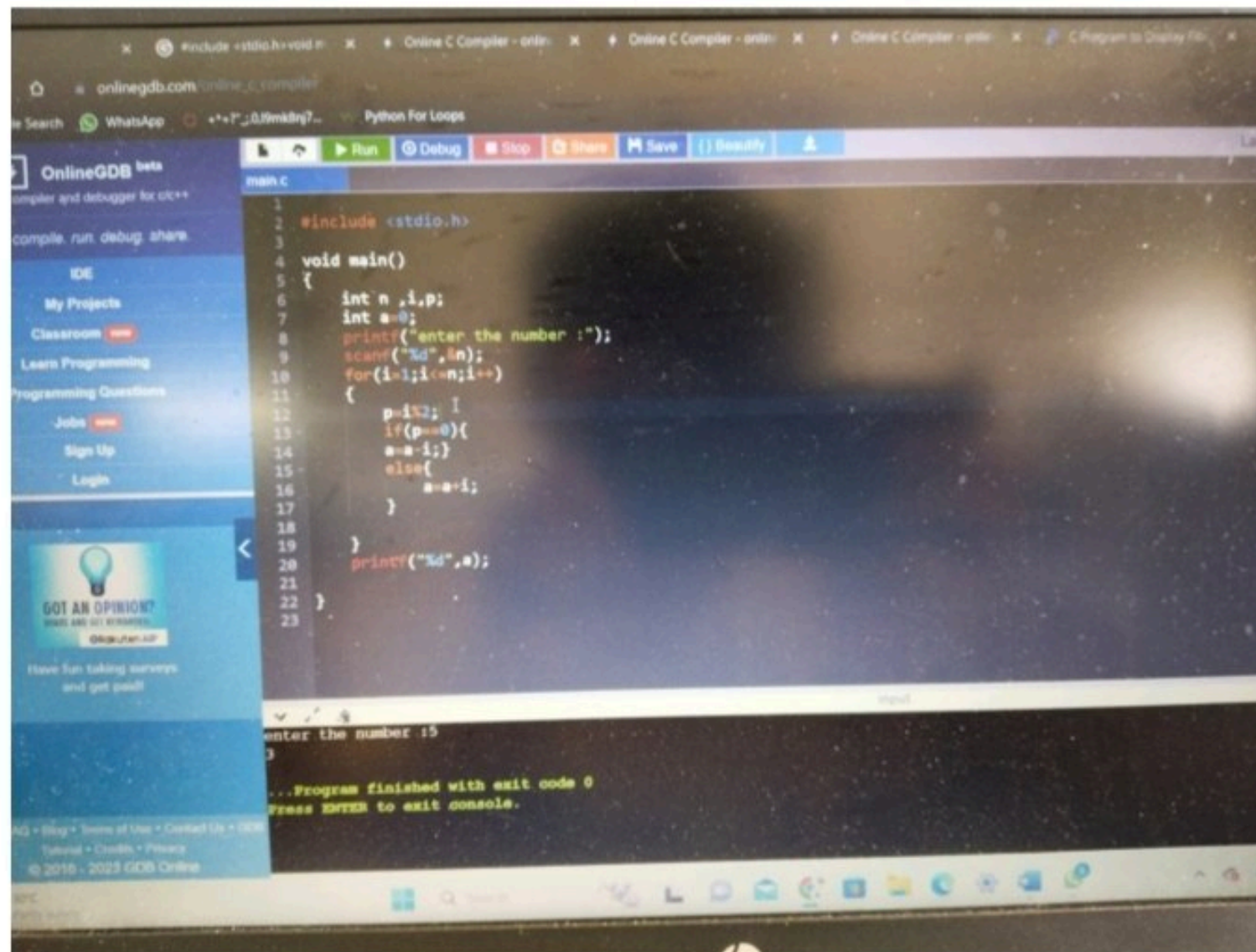
- 6) step 1 - Begin
- step 2 - Declare int variable
- step 3 - start a loop that iterates from 2 to n
- step 4 - In each iteration of the loop check current value of i is
- Testing When $i \% 2 = 0$
- Step 5 - Print the value.
- Step 6 - END.

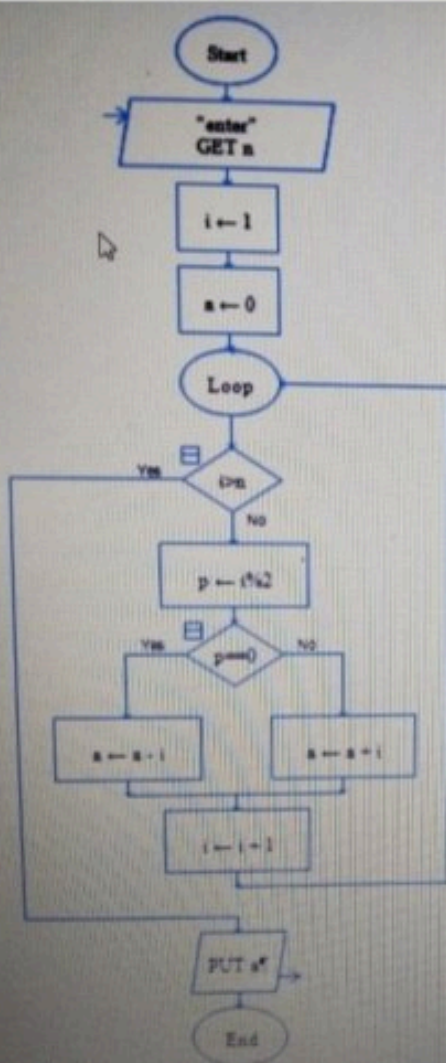
```
main.c
1  #include <stdio.h>
2
3
4  void main()
5  {
6      int n, i;
7      int a=0;
8      printf("enter the number :");
9      scanf("%d",&n);
10     for(i=1;i<=n;i=i+2)
11     {a=a+i;
12     }
13     printf("%d",a);
14
15 }
16
```

enter the number :5
9
...Program finished with exit code 0
Press ENTER to exit console.



- 7] Step 1 - Begin
- Step 2 - Declare into variable
- Step 3 - Start a loop the fact's from
1 to n
- Step 4 - In each iteration of the loop,
check if the variable
- Step 5 - print the value
- Step 6 - END





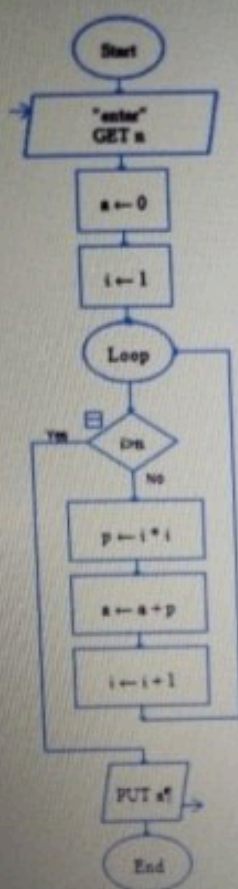
The screenshot shows a window titled 'MasterConsole' with a menu bar containing 'Font', 'Font Size', 'Edit', and 'Help'. The main text area displays the number '3' on the first line and '----Run complete. 38 symbols evaluated.----' on the second line. A 'Clear' button is located at the bottom right of the window.

- 8) Step 1 - Begin
- Step 2 - Declare int variable
- Step 3 - start a loop that iterate from 1 to n
- Step 4 - Multiply by 1 to alternate the sign every to other sum
- Step 5 :- Print the numbers
- Step 6 :- END

```
beta
for c/c++
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keys
Contact Us • GDB
```

```
main.c
1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n, i, p;
7     int a=0;
8     printf("enter the number :");
9     scanf("%d",&n);
10    for(i=1;i<=n;i++)
11    {
12        p=i*i;
13        a=a+p;
14    }
15    printf("%d",a);
16
17 }
18
```

```
enter the number :3
14
...Program finished with exit code 0
Press ENTER to exit console.
```



MasterConsole

Font Font Size Edit Help

---Run halted---

Can't compare these values: NUMBER_KIND STRING_KIND

---Error, run halted---

14

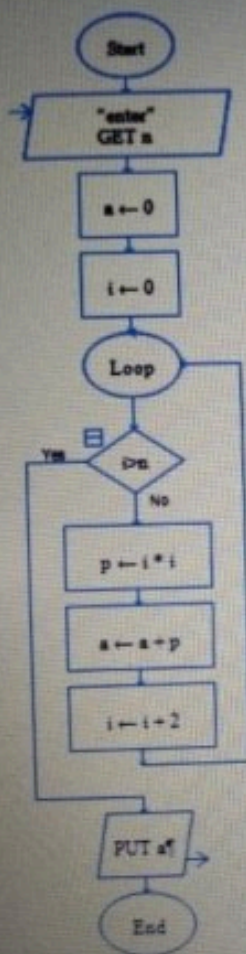
---Run complete. 23 symbols evaluated---

Clear

- a)
- Step 1 - Begin
 - Step 2 - Declare the variable - i to 1
 - Step 3 \div start a loop that continues while i is less than (or) equal to "n"
 - Step 4 - With in the loop add " i " to "Sum"
 - Step 5 \div Print the number
 - Step 6 \div END

```
main.c
1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n ,i,p;
7     int a=0;
8     printf("enter the number :");
9     scanf("%d",&n);
10    for(i=0;i<=n;i=i+2)
11    {
12        p=i*i;
13        a=a+p;
14    }
15    printf("%d",a);
16
17 }
18
```

enter the number :3
4
...Program finished with exit code 0
Press ENTER to exit console.



MasterConsole

Font Font Size Edit Help

----Run halted----

Can't compare these values: NUMBER_KIND STRING_KIND

----Error, run halted----

14

----Run complete. 23 symbols evaluated ----

20

----Run complete. 23 symbols evaluated ----|

Clear

10) Step 1 : Begin Sum to 0

Step 2 : initialize a variable all even
number starting from 2 upto n

Step 3 : loop through all even number starting
from 2 up to n

Step 4 : for each even number, Square to
get the next term

Step 5 : Return the sum variable as the
final answer

Step 6 : Print the ~~next~~ numbers

Step 7 : END

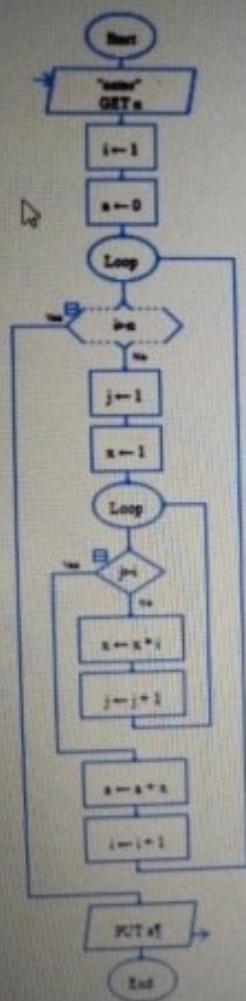
main.c

```
1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n,a=0;
7     printf("enter the number :");
8     scanf("%d",&n);
9     for(int i=1;i<=n;i++)
10     {int x=1;
11     for (int j=1;j<=i;j++)
12     {
13         x=x*i;
14     }
15     a=a+x;
16     }
17     printf("%d",a);
18
19
20 }
21
```

enter the number :3

32

...Program finished with exit code 0
Press ENTER to exit console.



```

MasterConsole
Font Font Size Edit Help
4
3
9
27
----Run complete. 61 symbols evaluated.----
1
5
32
----Run complete. 58 symbols evaluated.----
1
5
32
----Run complete. 58 symbols evaluated.----
32
----Run complete. 56 symbols evaluated.----
Clear
  
```


Step 1 - begin

Step 2 - declare into variable

Step 3 - Read value

Step 4 - Condition ($i \% 2 == 0$)

Step 5 - print the variable

Step 6 - end

Run Debug Stop Share Save Beautify

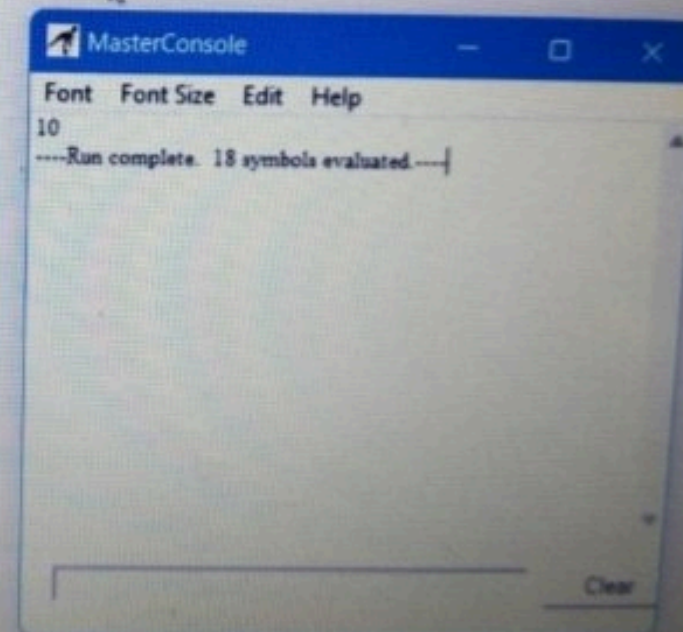
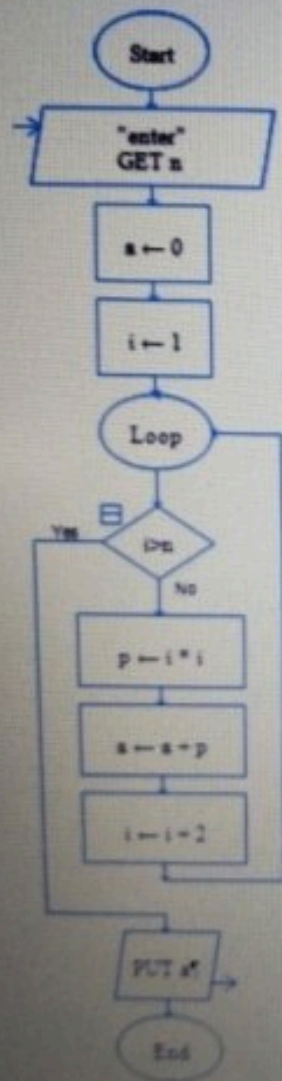
main.c

```
1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n ,i,p;
7     int a=0;
8     printf("enter the number :");
9     scanf("%d",&n);
10    for(i=1;i<=n;i=i+2)
11    {
12        p=i*i;
13        a=a+p;
14    }
15    printf("%d",a);
16
17 }
18
```

enter the number :3

10

...Program finished with exit code 0
Press ENTER to exit console.



Step 1 → begin

Step 2 → declare the variable

Step 3 → start a loop than if form

Step 4 → Read the variable

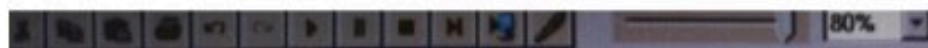
Step 5 → print the values

Step 6 → END

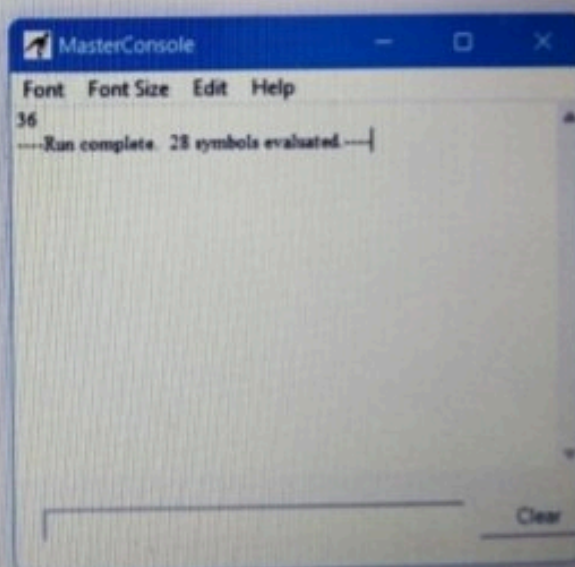
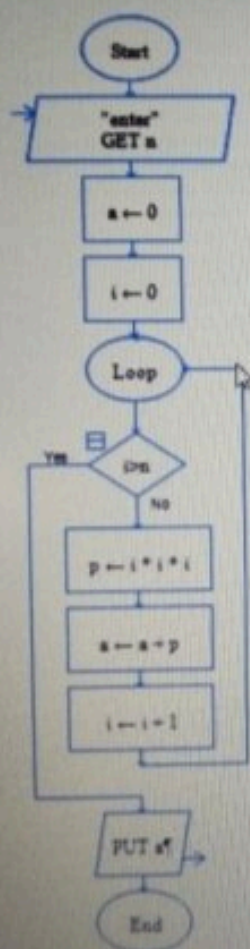
```
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cts  
new  
mning  
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TION?  
ARDED:  
ten AB  
surveys  
idit  
ne_c_compiler#tab-stdin
```

```
#include <stdio.h>  
void main()  
{  
    int n,i,p;  
    int a=0;  
    printf("enter the number :");  
    scanf("%d",&n);  
    for(i=1;i<=n;i++)  
    {  
        p=i*i=i;  
        a=a+p;  
    }  
    printf("%d",a);  
}
```

```
enter the number :3  
36  
...Program finished with exit code 0  
Press ENTER to exit console.
```



main



- step 1 - Begin
- step 2 - Declare int variable
- step 3 - start a loop that iterates from 2 to n
- step 4 - In each iteration of the loop check current value of i is
Testing When $i \% 2 = 0$
- step 5 - Print the value
- step 6 - END

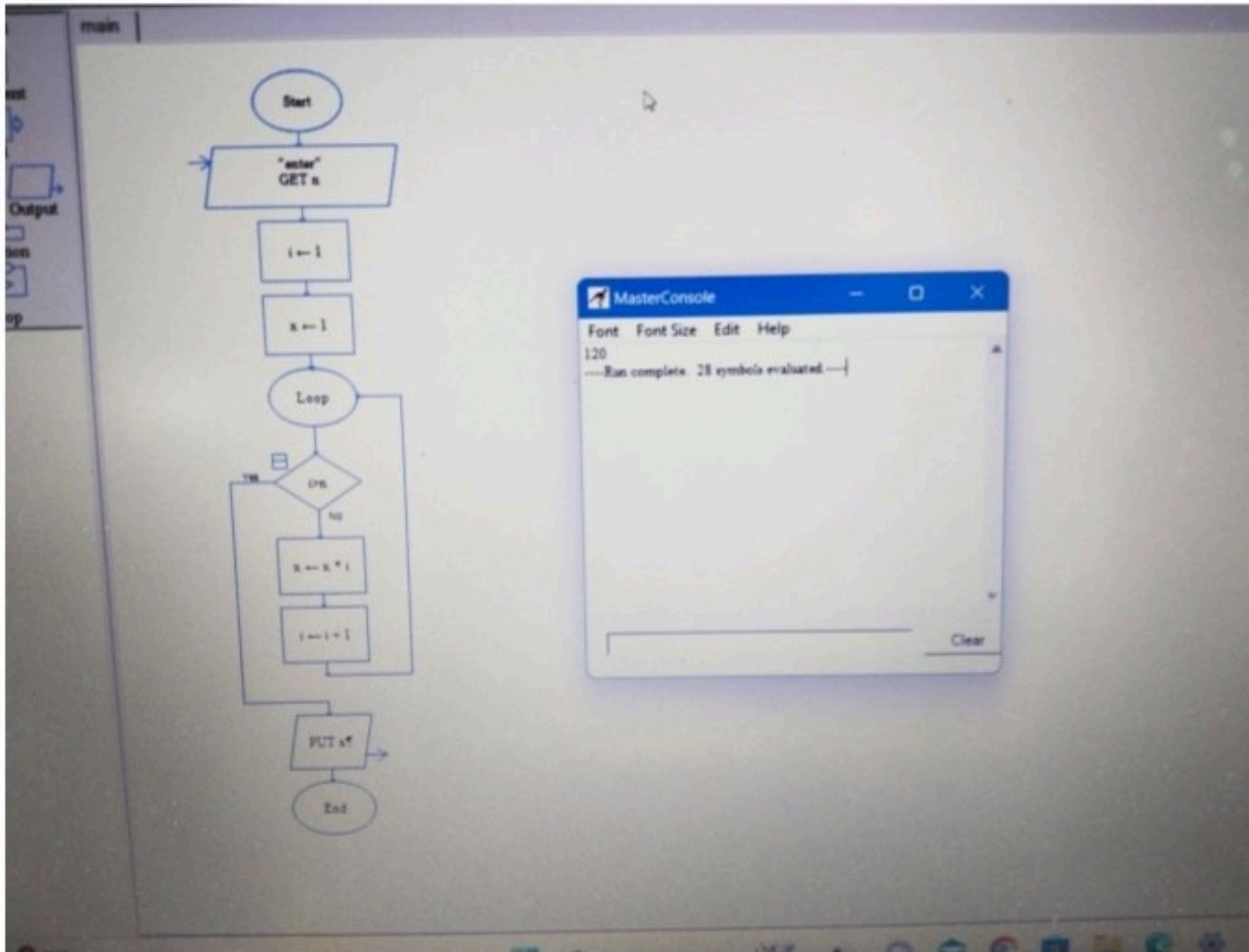
main.c

```
1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n,i,p;
7     int a=1;
8     printf("enter the number :");
9     scanf("%d",&n);
10    for(i=1;i<=n;i++)
11    {
12        a=a*i;
13    }
14    printf("%d",a);
15
16 }
17
```

enter the number :5
120

...Program finished with exit code 0
Press ENTER to exit console.

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- Step 1 : Begin Sum to 0
- Step 2 : initialize a variable all even
number starting from 2 up to n
- Step 3 : loop through all even number starting
from 2 up to n
- Step 4 : for each even number, Square to
get the next term
- Step 5 : Return the Sum variable as the
final answer
- Step 6 : Print the ~~next~~ numbers
- Step 7 : END

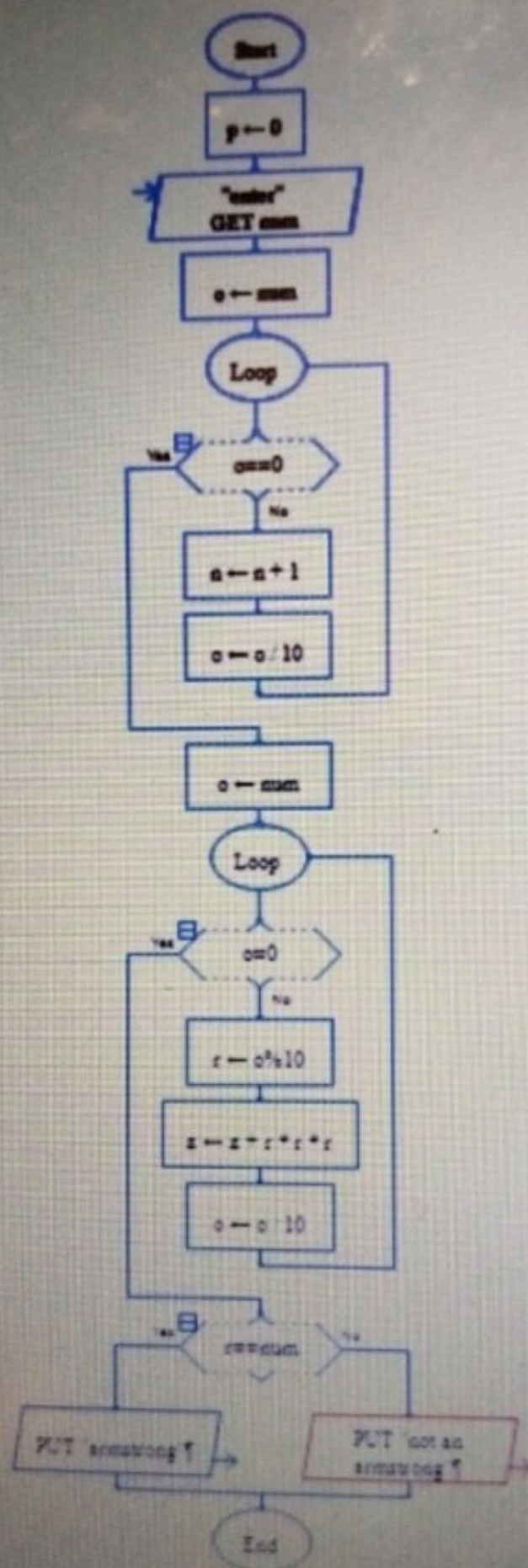
main.c

```
1
2 #include <math.h>
3 #include <stdio.h>
4 int main() {
5     int num, originalNum, remainder, n = 0;
6     float result = 0.0;
7
8     printf("Enter an integer: ");
9     scanf("%d", &num);
10
11     originalNum = num;
12     for (originalNum = num; originalNum != 0; ++n) {
13         originalNum /= 10;
14     }
15     for (originalNum = num; originalNum != 0; originalNum /= 10) {
16         remainder = originalNum % 10;
17         result += pow(remainder, n);
18     }
19     if ((int)result == num)
20         printf("%d is an Armstrong number.", num);
21     else
22         printf("%d is not an Armstrong number.", num);
23     return 0;
24 }
```

Enter an integer: 4561
4561 is not an Armstrong number.

...Program finished with exit code 0
Press ENTER to exit console.

GDB



- Step 1 - Begin
- Step 2 - Declare the variable - i to 1
- Step 3 - start a loop that continues while i is less than (or) equal to "n"
- Step 4 - With in the loop add " i " to "Sum"
- Step 5 - Print the number
- Step 6 - END.

```

1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n,p=0,avg;
7
8     printf("enter no of numbers ::");
9     scanf("%d",&n);
10    int a[n];
11    for (int i=0;i<n;i++)
12    {
13        scanf("%d",&a[i]);
14    }
15    for(int j=0;j<n;j++)
16    {
17        p=p+a[j];
18    }
19    printf("sum of numbers is %d",p);
20    printf("\n average :: %d",p/n);
21
22 }
23

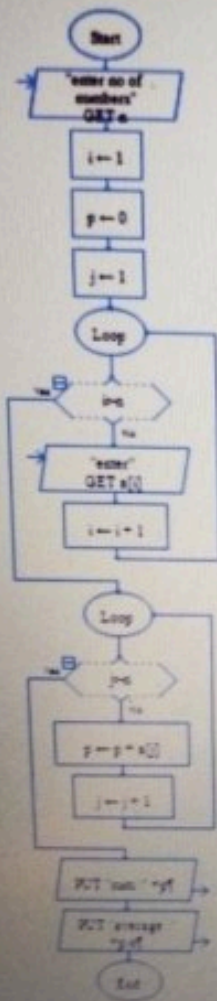
```

enter no of numbers ::5

1
2
3
4
5

sum of numbers is 15
average :: 3

...Program finished with exit code 0
Press ENTER to exit console.



MasterConsole

Font Font Size Edit Help

```
sum :15
average :3
----Run complete. 52 symbols evaluated----
```

Clear

Step 1 - Begin

Step 2 - Declare int variable

Step 3 - start a loop that iterate from
1 to n

Step 4 - Multiply by 1 to alternate the
Sign every to other sum

Step 5 :- Print the numbers

Step 6 :- END

main.c

```
1
2  #include <stdio.h>
3
4  void main()
5  {
6      int n, rem, rev=0;
7      printf("enter the number :");
8      scanf("%d", &n);
9      printf("digits of the nnumbers are :");
10     for(int i=0; n>1; i++){
11         rem=n%10;
12         n=n/10;
13         printf(" %d", rem);
14     }
15 }
16
17
```

enter the number :456
digits of the nnumbers are : 6 5 4
...Program finished with exit code 0
Press ENTER to exit console.



Assignment

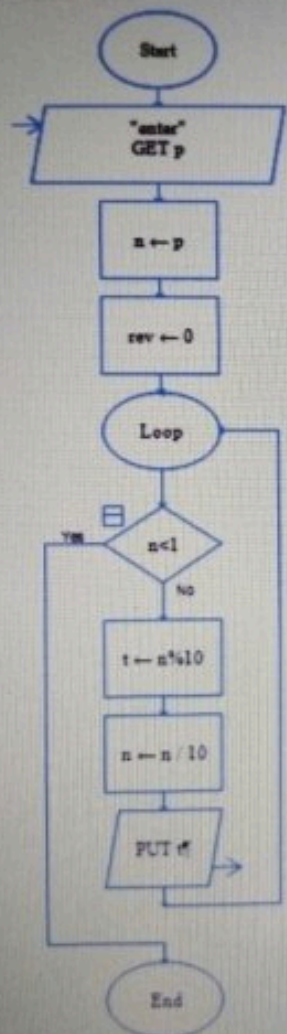
Call

Output

Selection

Loop

0.4569
4569
r: 0
5690



MasterConsole

Font Font Size Edit Help

660.5600

----Run complete. 23 symbols evaluated----

9

6.9000

5.6900

4.5690

----Run complete. 27 symbols evaluated----

- Step 1 - Begin
- Step 2 - Declare into variable
- Step 3 - Start a loop the fact's from
1 to n
- Step 4 - In each iteration of the loop,
check if the variable
- Step 5 - print the value
- Step 6 - END

Run Debug Stop Share Save {} Beauti

main.c

```
1
2  #include <stdio.h>
3
4  void main()
5  {
6      int n,rem,rev=0;
7      printf("enter the number :");
8      scanf("%d",&n);
9      for(int i=0;n>1;i++){
10         rem=n%10;
11         n=n/10;
12         rev=rev+rem;
13     }
14     printf("sum of its digits = %d",rev);
15 }
16
```

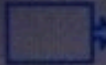
<

enter the number :456
sum of its digits = 15

...Program finished with exit code 0
Press ENTER to exit console.

Symbols

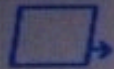
Assignment



Call

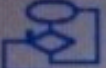


Input



Output

Selection



Loop

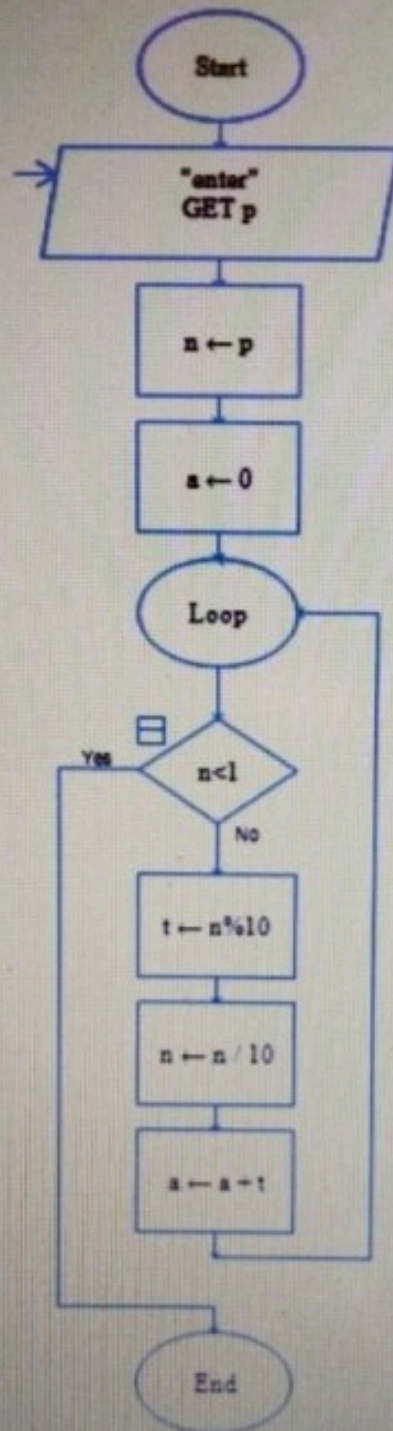
n: 0.4560

p: 456

rev: 660.5600

t: 4.5600

main



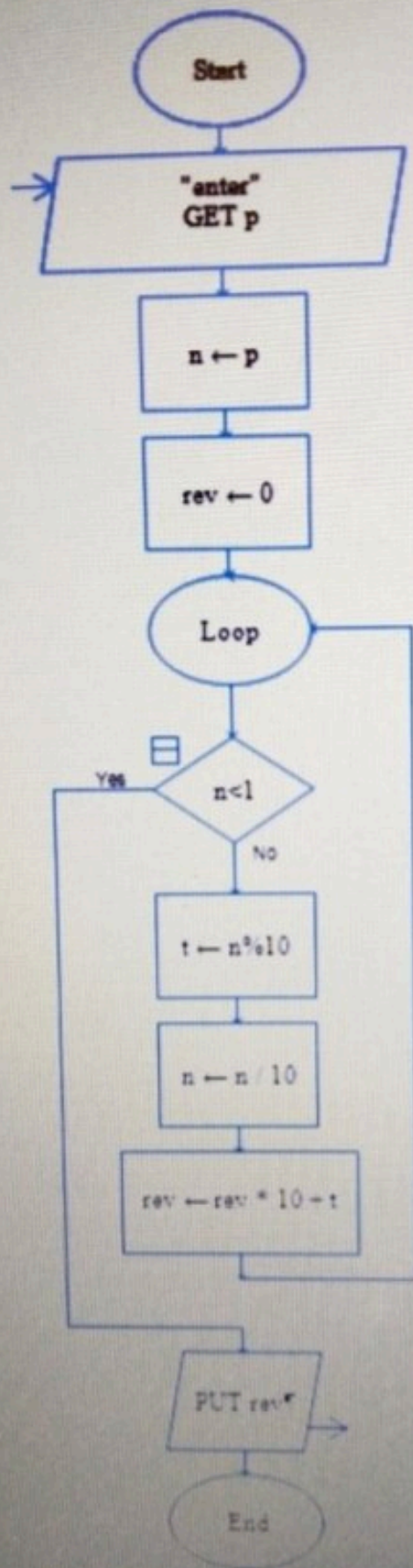
Search

- Step 1 - Begin
- Step 2 - Declaration in the variable
- Step 3 - Start a loop that from
- Step 4 - Each
- Step 5 - print the values
- Step 6 - END

```
1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n,rem,rev=0;
7     printf("enter the number :");
8     scanf("%d",&n);
9     printf("reverse number is :");
10    for(int i=0;n>1;i++){
11        rem=n%10;
12        n=n/10;
13        printf("%d",rem);
14    }
15
16 }
17
```

enter the number :1235564
reverse number is :465532

...Program finished with exit code 0
Press ENTER to exit console.



- Step 1 - begin
- Step 2 - declare into variable
- Step 3 - Read value
- Step 4 - Condition ($i \% 2 == 0$)
- Step 5 - print the value
- Step 6 - end

eGDB beta
Debugger for C/C++

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OPINION?

GET REWARDED

Opinion App

taking surveys

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2023 GDB Online

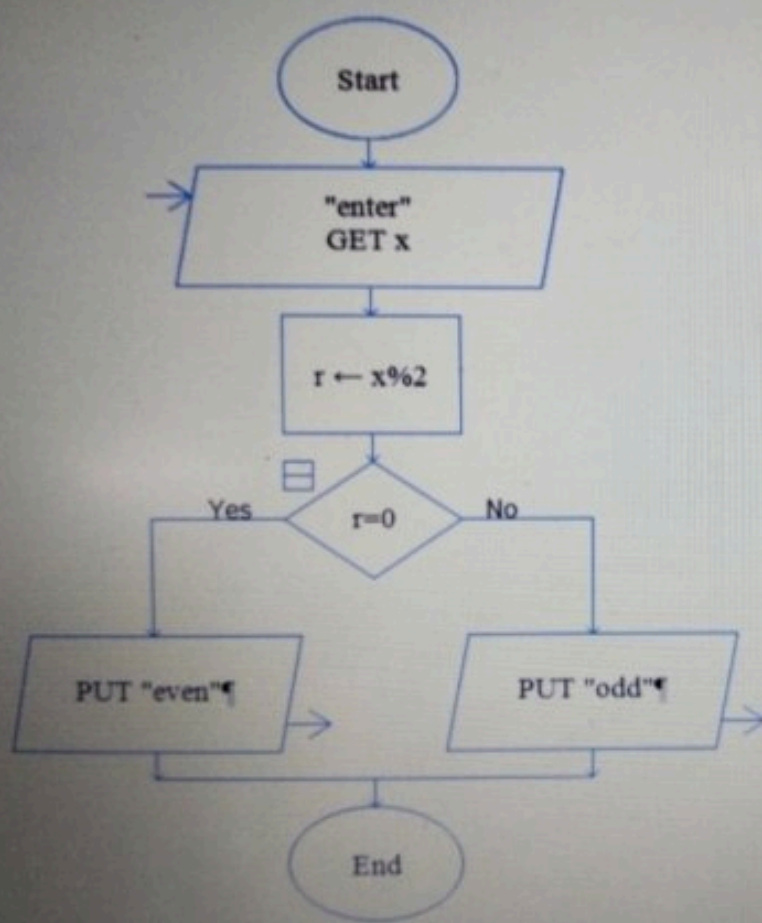
main.c

```
1
2 #include <stdio.h>
3
4 void main()
5 {
6     int n;
7     printf("enter the number :");
8     scanf("%d",&n);
9     if(n%2==0)
10    {
11        printf("the given number is even");
12    }else
13    {
14        printf("the given number is odd");
15    }
16 }
17
18
19
```

enter the number :5
the given number is odd

...Program finished with exit code 0
Press ENTER to exit console.





The screenshot shows a window titled 'MasterConsole' with a menu bar containing 'Font', 'Font Size', 'Edit', and 'Help'. The console output displays the word 'odd' followed by a status line: '---Run complete. 6 symbols evaluated---'. At the bottom right of the window is a 'Clear' button.

Step 1 → begin

Step 2 → declare the variable

Step 3 → start a loop than if form

Step 4 → Read the variable.

Step 5 → print the values

Step 6 → END