

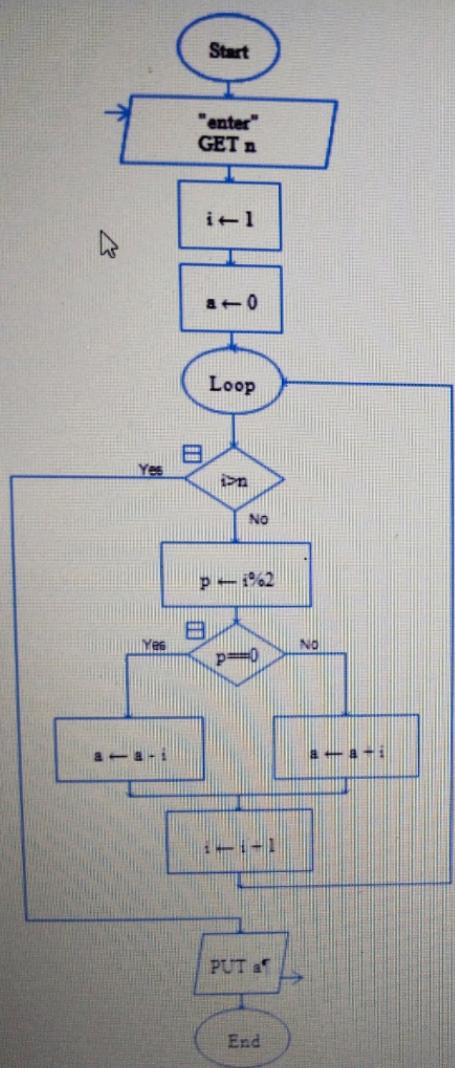
The screenshot shows a computer monitor displaying the OnlineGDB beta IDE interface. The main window title is "main.c". The code editor contains the following C program:

```
1 #include <stdio.h>
2 void main()
3 {
4     int n ,i,p;
5     int a=0;
6     printf("enter the number :");
7     scanf("%d",&n);
8     for(i=1;i<=n;i++)
9     {
10         p=i%2;
11         if(p==0){
12             a=a-i;
13         }
14         else{
15             a=a+i;
16         }
17     }
18     printf("%d",a);
19 }
20
21
22 }
```

The output console shows the following interaction:

```
enter the number :5
3
...Program finished with exit code 0
Press ENTER to exit console.
```

The browser address bar shows the URL onlinegdb.com/online_c_compiler. The page also features a sidebar with various programming-related links and a "GOT AN OPINION?" survey banner.



MasterConsole

Font Font Size Edit Help

3
---Run complete. 38 symbols evaluated.---

Clear

⑧ step 1 : Begin

step 2 : declare a variable "n"

Step 3 : Assign i to 1 & a to 0

Step 4 : create loop so ^{loop} continuous for
 $i \leq n$

Step 5 : in loop if i is even then
subtract i from a
else add i to a.

Step 6 : end loop after increment i

Step 7 : print a

Step 8 : stop.

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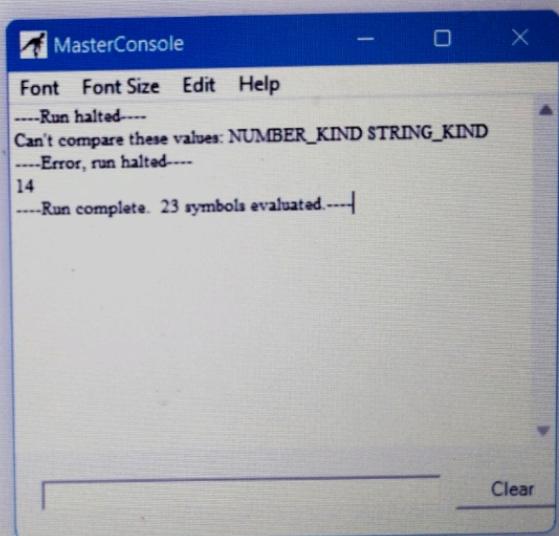
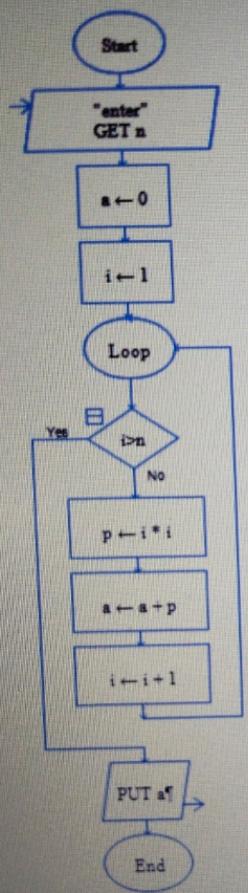
main.c

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

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

Input

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- ① start ;
step 1 : Begin program execution & initialize a pt2
step 2 : Declare a variable n
step 3 : assign i to 0 & a too & j to 0.
step 4 : create a loop so that i less than n (i < n)
in the loop assign n to i
step 5 : create another loop within the loop (j < i)
& assign x to x^i
step 6 : increment j & close loop ①
step 7 : add x & a to a & increment i
step 8 : close loop ② . print a.
step 9 : Stop.

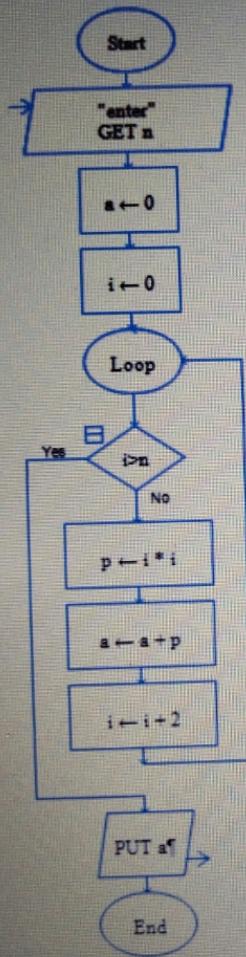
main.c

```
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
```

input

```
enter the number :3
4

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



MasterConsole

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----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----

I

Clear

The screenshot shows the execution of the program. It starts with an error message about comparing NUMBER_KIND and STRING_KIND values. Then, it shows two runs completed, both resulting in the value 20. The console also includes a font size selector and standard window controls.

12) Step 1 : Begin

Step 2 : Declare & assign the variable n

Step 3 : Create a loop for i=0 & i++ & increment
i with 2

Step 4 : Assign p to i + i

Step 5 : add assign a to a * p

Step 6 : End loop & print a

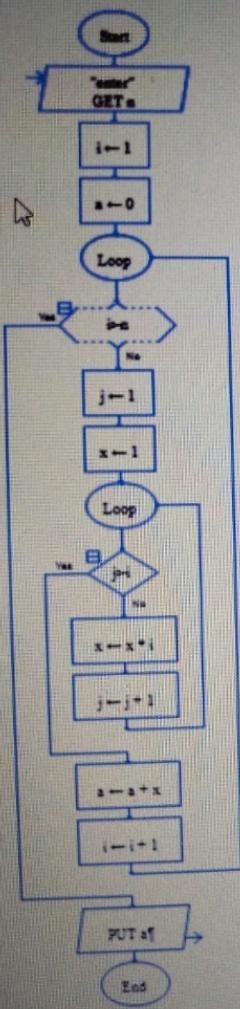
Step 7 : Stop.

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
```

input

```
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 a variable n

Step 3 : assign i to 0 , a to 0 , % to 0

Step 4 : create a loop with condition $i < n$ & assign x to i

Step 5 : create a loop within the loop with condition $i < i$

Step 6 : in loop add assign x to $x * i$ & increment i
and close the loop

Step 7 : add $x & a$ to a & increment a with 1

Step 8 : close the loop & print a

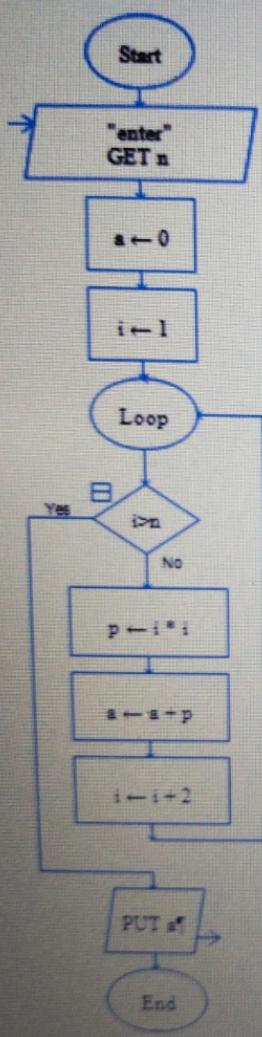
Step 9 : stop.

The screenshot shows a C/C++ IDE interface with the following details:

- Toolbar:** Includes icons for Run, Debug, Stop, Share, Save, and Beautify.
- File:** Shows 'main.c' as the active file.
- Code Editor:** Displays the following C code:

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

```
enter the number :3
10
...Program finished with exit code 0
Press ENTER to exit console.
```
- System Tray:** Shows various system icons.



MasterConsole

Font Font Size Edit Help

10

---Run complete. 18 symbols evaluated.---

Clear

The screenshot shows a window titled "MasterConsole". At the top, there's a menu bar with "Font", "Font Size", "Edit", and "Help". The font size is set to 10. Below the menu, a message says "---Run complete. 18 symbols evaluated.---". There is a scrollable text area below this message, which is currently empty. At the bottom right of the window, there is a "Clear" button.

12) Step 1 : Begin

Step 2 : Declare & assign the variable n

Step 3 : Create a loop for i=0 & i++ & increment
i with 2

Step 4 : Assign p to i + i

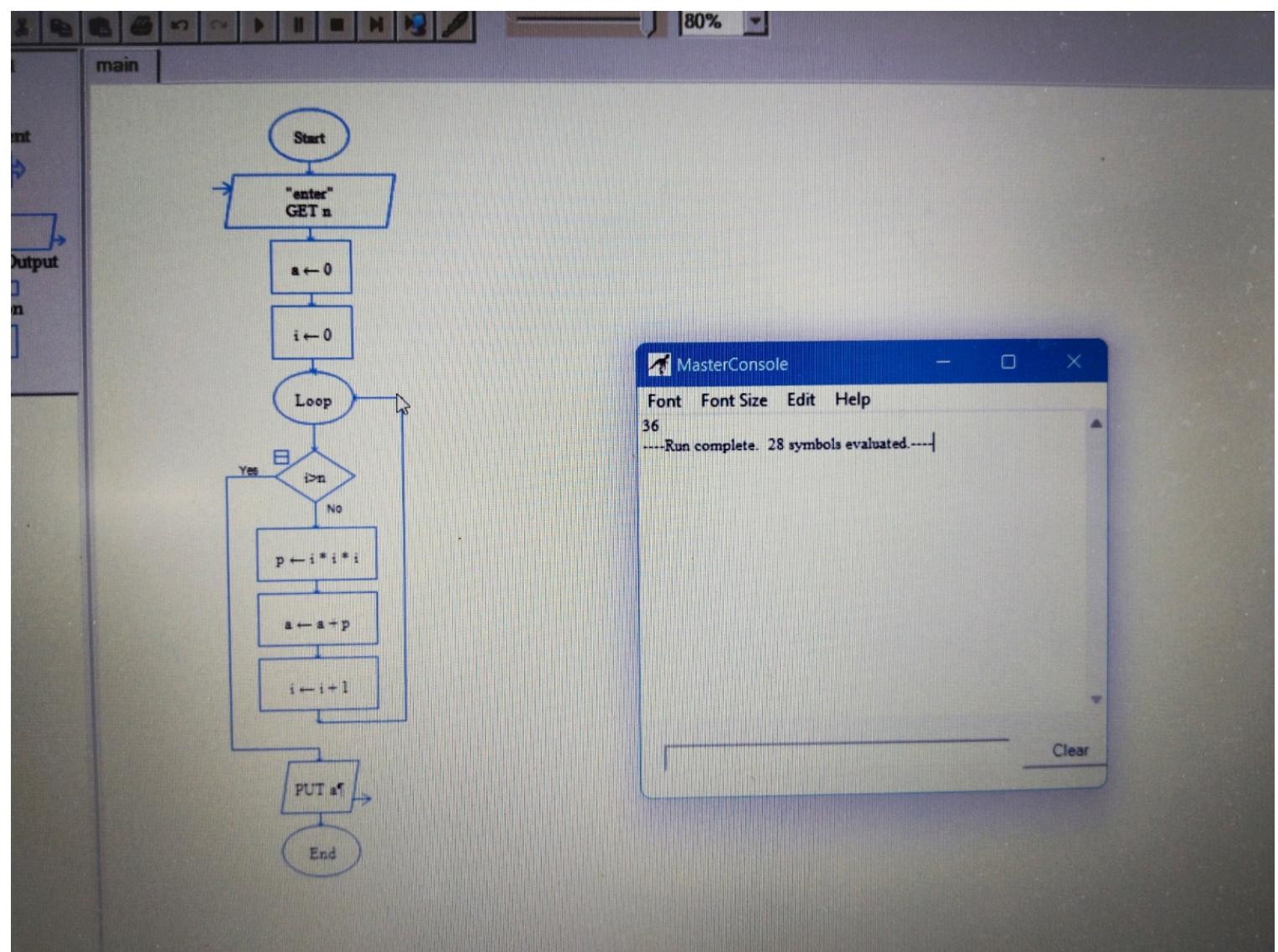
Step 5 : add assign a to a * p

Step 6 : End loop & print a

Step 7 : Stop.

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id!  
  
#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);  
}
```

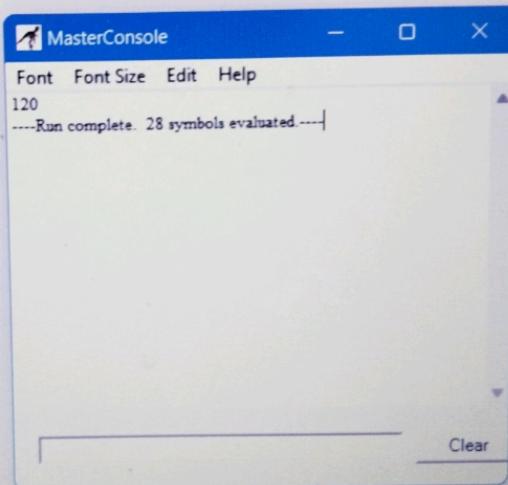
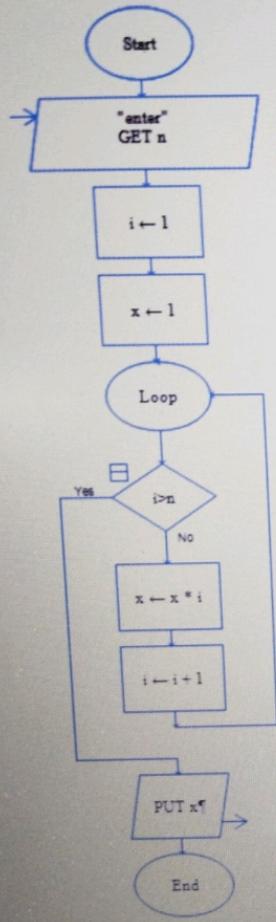
```
enter the number :3  
36  
...Program finished with exit code 0  
Press ENTER to exit console.
```



- 13) Step 1: Begin
- Step 2: Declare a variable n
- Step 3: Create a loop for $i=0$ & increment & increment
 i with 1
- Step 4: Assign p to $^{*}i^{*}i$
- Step 5: assign a to $a+p$
- Step 6: close loop & print a
- Step 7: Stop.

```
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.
```



Step 1: Begin

Step 2: Declare variable n

Step 3: Assign a to 0, b to 1

Step 4: Create loop with initialization $i = 0$,
Condition ($i <= 0$) and increment i with 1

Step 5: printing a in the loop

Step 6: assign i to a

Step 7: assign a to b

Step 8: assign b to $b + t$

Step 9: close loop

Step 10: Stop

(15)

c1... D