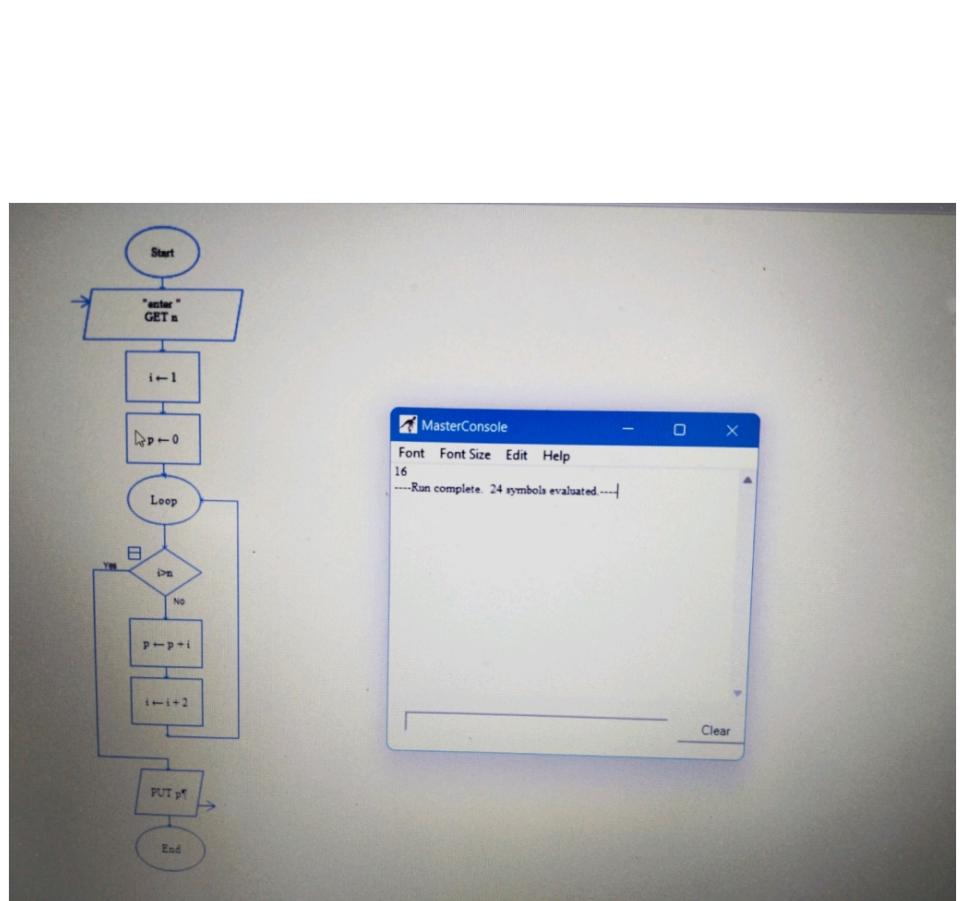


A screenshot of a C programming environment. The code in main.c is:

```
#include <stdio.h>
void main()
{
    int n,i;
    int a=0;
    printf("enter the number :");
    scanf("%d",&n);
    for(i=1;i<=n;i=i+2)
    {
        a=a+i;
    }
    printf("%d",a);
}
```

The terminal window shows the program's output:

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



7)

Step 1 - Begin

Step 2 - Declare int variable

Step 3 - start a loop the fact's From 1 to n.

Step 4 - Try each iteration of the loop, check
if the variable.

Step 5 - print the value

Step 6 - end

8) Step 2 - 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

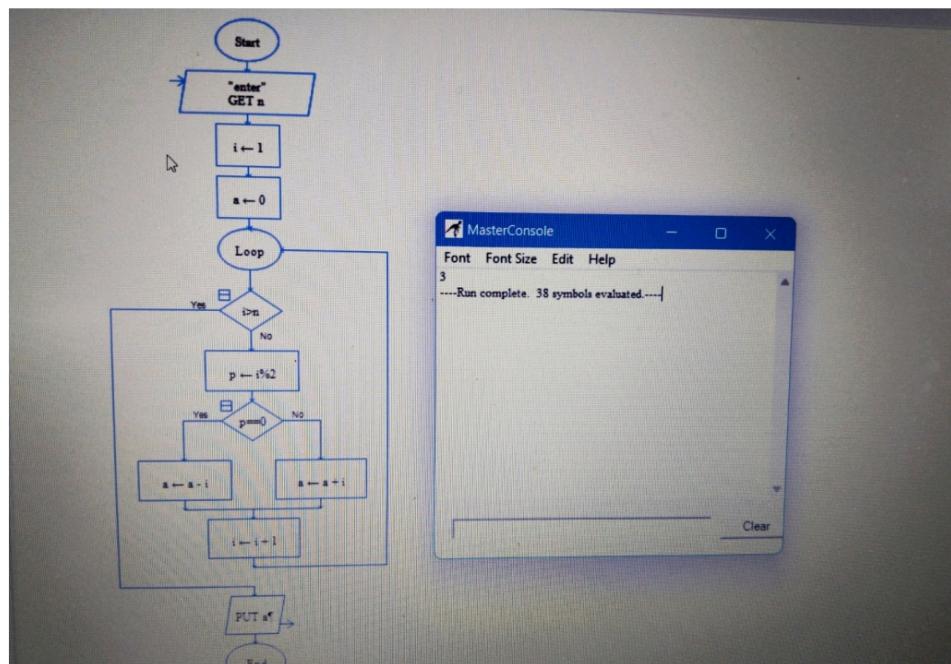
Step 6 : END

The screenshot shows a web-based IDE interface for OnlineGDB. The code in the editor is:

```
#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%2;
        if(p==0){
            a=a-i;
        }
        else{
            a=a+i;
        }
    }
    printf("%d",a);
}
```

The output window shows the result of running the program with input 5:

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



9) Step 1 - Begin

Step 2 - declare the variable sum = 0

Step 3 - start a loop that continues while
q is less than (or) equal to "n"

Step 4 : with the loop add q to sum.

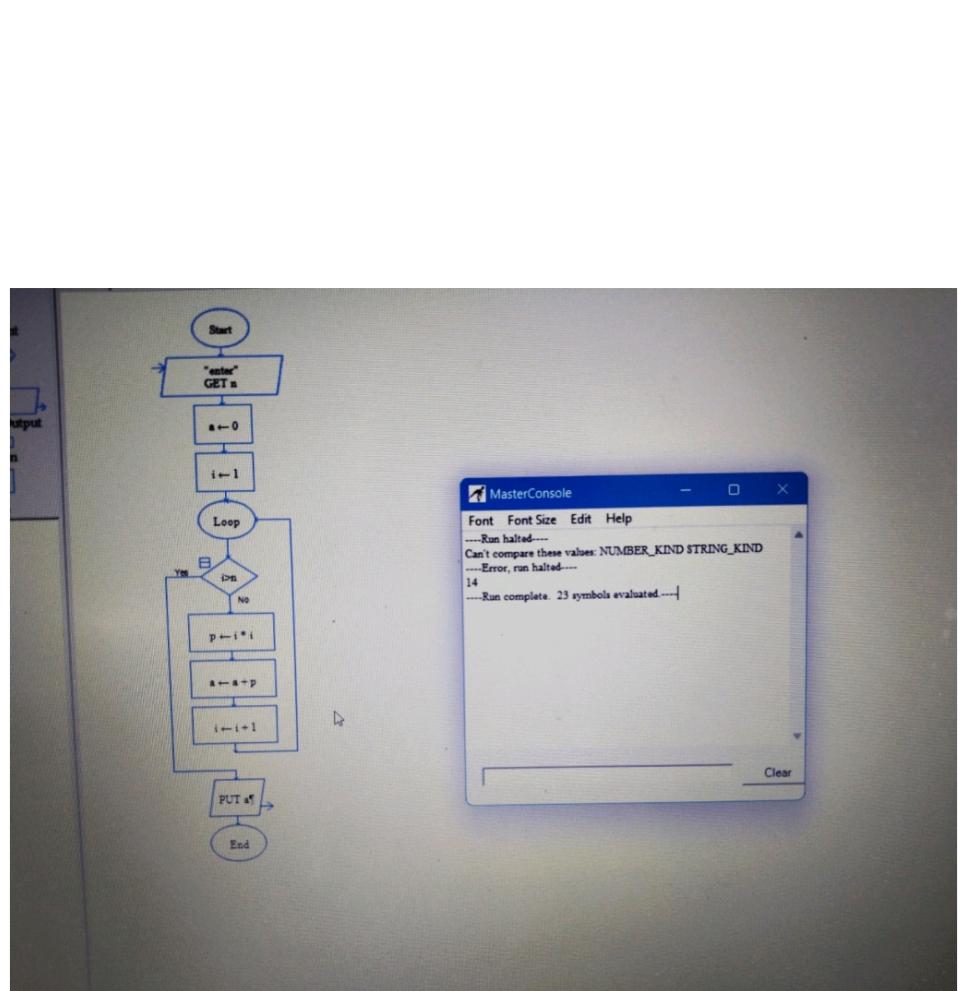
Step 5 : print the numbers

Step 6 : End

for c/c++
g.share.
ons

```
main.c
1 #include <stdio.h>
2
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
```

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



(a) Step 1 : Begin

Step 2 : Initialize available sum to 0

Step 3 : Loop through all even numbers 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 numbers

Step 7 : End

2
3
5
K

for c/c++

g.share.

ons

? p
ways

main.c

```
1 #include <stdio.h>
2
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
```

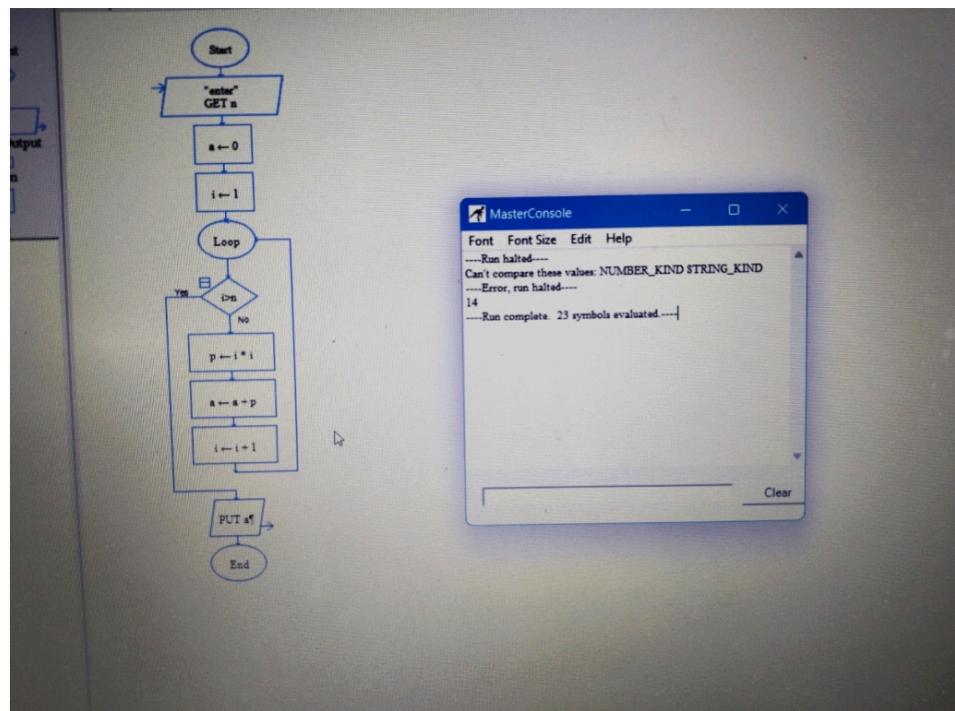
enter the number :3

14

... Program finished with exit code 0

Press ENTER to exit console.

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Step 1: Begin

Step 2:

Declaration of variables.

Step 3: Condition

Step 4: formula (num * num)

Step 5: loop statement

Step 6: print the variable

Step 7: end. (and definition)

Step 1:

Step 2

Step 3

4.

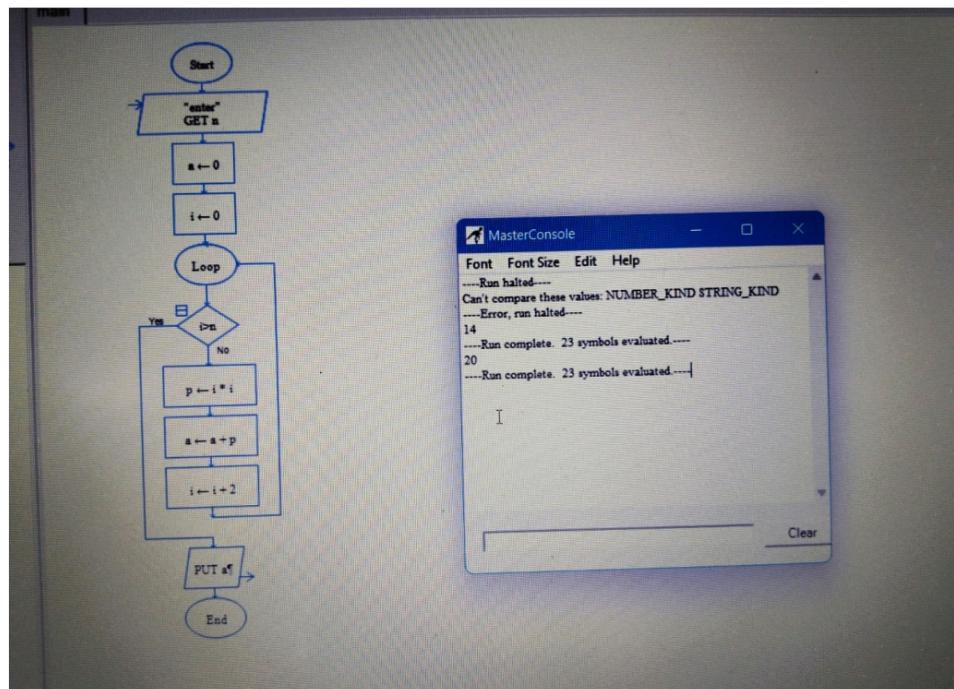
Step 5

Step 6

Step 7

```
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.
```



Step 1 : Begin

Step 2 : Declaration of variables

Step 3 : using loop statements

Step 4 : sum = $4(u(u)^2 - 1)/3$.

Step 5 : print the values.

Step 6 : end.

Step 7 : Begin

(13)

Step 1 : ~~Init.~~

Step 1 : Begin

Step 2 : Declaration of variables.

Step 3 : Using looping statements.

Step 4 : sum = i * i * i ;

Step 5 : print the values.

Step 6 : End.

```
#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.

