

C_41 > Break Statement in C

Break statement:

* Brunks are used in switch and log.

* Break can be used only either within

1> loops Switch

* Whenever the break is encountered in a loop, - then Control will automatically enit from loop and after the loop whatever statements are there it will be executed.

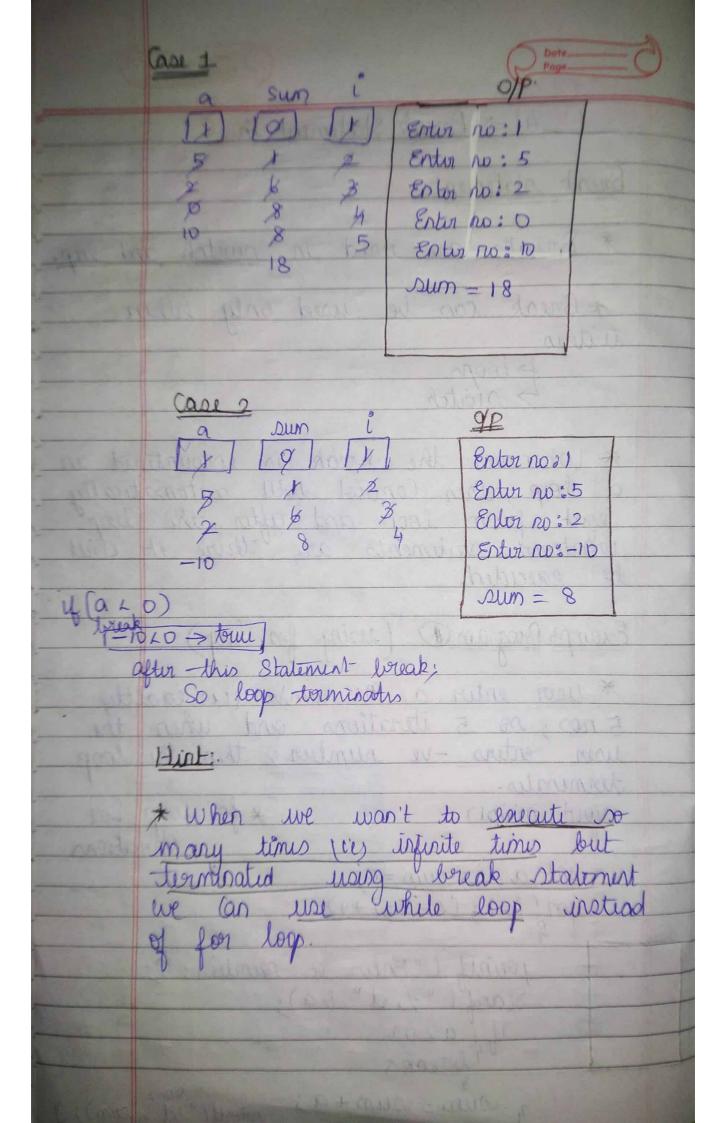
Enample Brogram (using for loop)

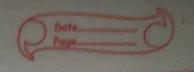
* user enter a is number (in exaltly 5 ros; so 5 iterations and when the erturs -ve rumber; then the loop ternisates. void main!) * for loop for

int a gig sum = 0; for (i=1; i4=5; i++)

Story ("1.d", &a);

3 sum = sum + a; print(", id , sum); 3





Bugnam @ (using while loop)
Void main ()
int a, sum = 0;
while (1)
print ("Enter a number: 10"); scarf ("1.1.d", &a);
if (d20) (4£520) (5 tome
Sun = Sun + a;
> pounts (" sum = 1.dl" , sum);
Casel
a Sum III
2 x Enter no: 2 Enter no: -5
sum = 3.
Hist loop this loop, wast
exter a regative runter.

CODE 1:

```
#include <stdio.h>
1
2
     #include <stdlib.h>
   /* 1 - break statement*/
3
4 // using for loop, for known number of iterations //
5
     int main()
   □{
 6
7
         int a, i, sum=0;
8
         for (i=1; i<=5; i++)</pre>
9
10
          printf("Enter number:\n");
11
          scanf ("%d", &a);
12
          if(a<0)
13
          break;
14
          sum=sum+a;
15
         printf("sum=%d", sum);
16
17
         getch();
18
19
```

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```
Enter number:
1
Enter number:
5
Enter number:
2
Enter number:
0
Enter number:
10
sum=18
Process returned 0 (0x0) execution time : 14.996 s
Press any key to continue.
```

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```
Enter number:
1
Enter number:
5
Enter number:
2
Enter number:
-10
sum=8
```

CODE 2:

```
1
     #include <stdio.h>
 2
     #include <stdlib.h>
 3
   /* 2 - break statement*/
     // using while loop, for unknown number of iterations //
 4
 5
     int main()
 6
   □ {
 7
         int a, sum=0;
 8
         while(1)
 9
          printf("Enter number:\n");
10
          scanf("%d", &a);
11
12
          if(a<0)
13
          break;
14
          sum=sum+a;
15
         printf("sum=%d", sum);
16
17
         getch();
18
19
```

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```
Enter number:
1
Enter number:
2
Enter number:
-5
sum=3
```

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```
Enter number:
1
Enter number:
2
Enter number:
3
Enter number:
4
Enter number:
5
Enter number:
6
Enter number:
7
Enter number:
-1
sum=28
```