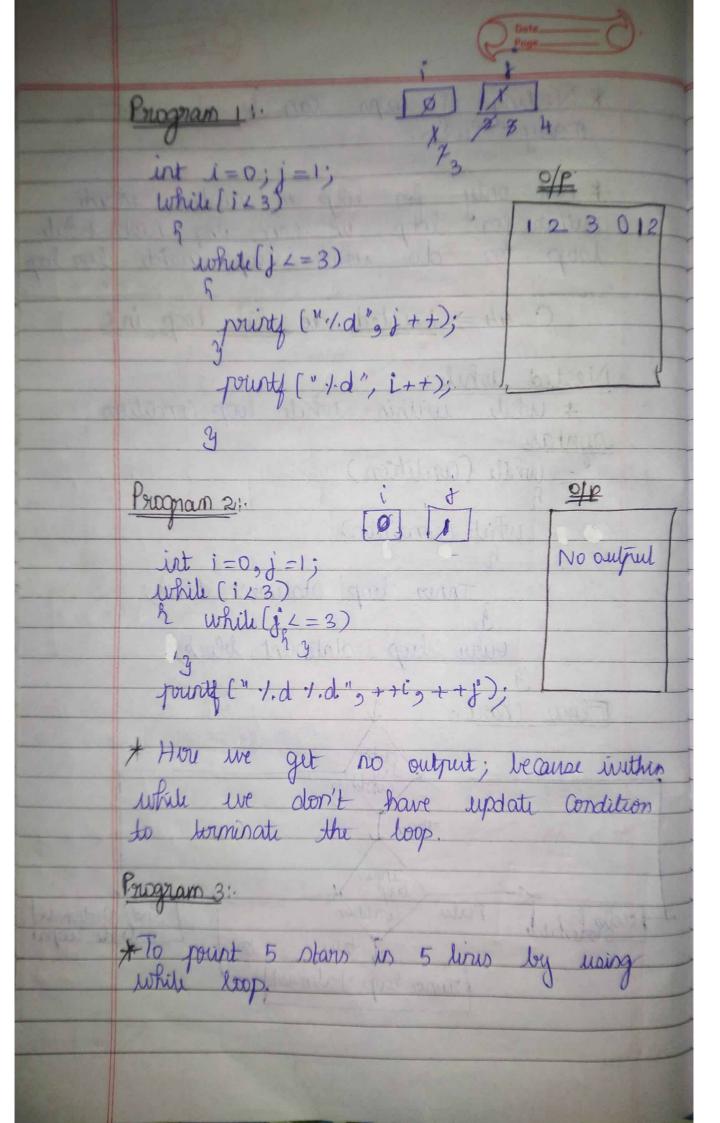
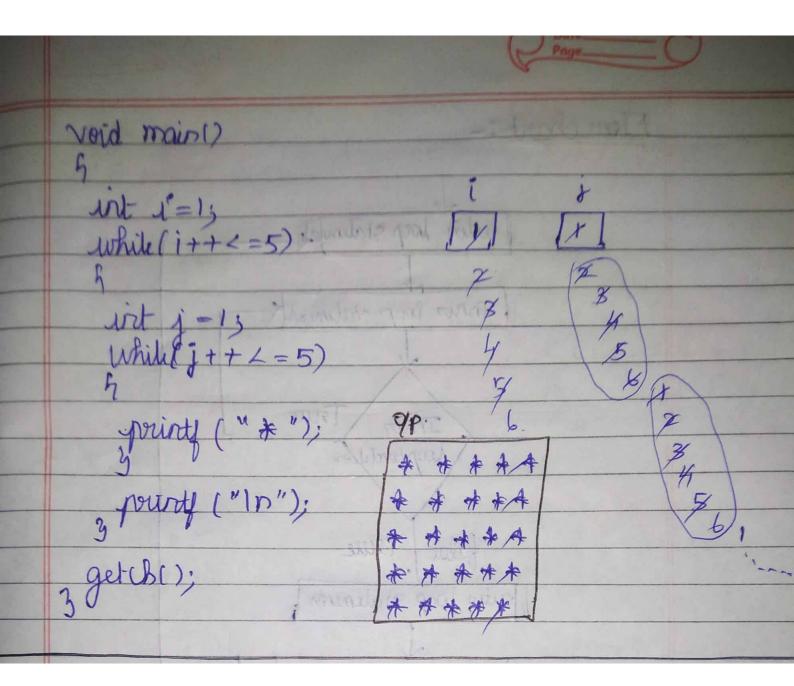
C 44 > Nested while loop in C Nested while:

* while withis while loop condition syntax : while (condition) while (condition) Inner loop Statement block;
3
Outer loop statement block;
3 End/ Statement Innor loop statement





CODE 1:

```
1 #include <stdio.h>
2 #include <stdlib.h>
3  /* 1 - nested while loop */
   int main()
6
         int i=0, j=1;
7
         while(i<3)</pre>
8
          while(j<=3)</pre>
9
10
11
          printf("%d",j++);
12
13
          printf("%d",i++);
14
       getch();
15
16
17
```

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CODE 2:

```
#include <stdio.h>
 2
     #include <stdlib.h>
3  /* 2 - nested while loop */
 4
     int main()
 5
 6
         int i=0, j=1;
 7
         while(i<3)</pre>
 8
 9
          while (j \le 3)
10
11
           //no inner loop statements;
12
13
          //no outer loop statements;
14
         printf("%d%d",++i,++j);
15
16
         getch();
17
   □/* Here we get no output because in while loop we have no update to terminate
18
   or to continue the loop.. so it will remain there and we get no output...*/
19
20
```

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CODE 3:

```
1 #include <stdio.h>
2 #include <stdlib.h>
3  /* 3 - nested while loop */
4 // To print 5 stars in 5 lines //
5
   int main()
7
        int i=1;
8
        while(i++<=5)
9
10
         int j=1;
11
         while (j++<=5)
12
13
          printf("*");
14
15
         printf("\n");
16
17
    getch();
18
19
```

```
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*****

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```