

1)

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

/tmp/FH72wECFLf.o
12345
12345
12345
12345
12345

2)

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

/tmp/FH72wECFLf.o
1
22
333
4444
55555

3)

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

/tmp/FH72wECFLf.o
1
12
123
1234
12345

4)

<pre>1 #include <stdio.h> 2 3 int main() 4 { 5 int a=1; 6 while(a<=5){ 7 int b=1; 8 while(b<=a){ 9 10 printf("%d ",b*a); 11 b=b+1; 12 } 13 printf("\n"); 14 a=a+1; 15 } 16 return 0; 17 }</pre>	<pre>/tmp/FH72WECFLf.o 1 2 4 3 6 9 4 8 12 16 5 10 15 20 25 </pre>
--	--

5)

<pre>1 #include <stdio.h> 2 3 int main() 4 { 5 int a=1; 6 while(a<=5){ 7 int b=a; 8 while(b<=5){ 9 10 printf("%d ",b*a); 11 b=b+1; 12 } 13 printf("\n"); 14 a=a+1; 15 } 16 return 0; 17 }</pre>	<pre>/tmp/FH72WECFLf.o 1 2 3 4 5 4 6 8 10 9 12 15 16 20 25 </pre>
--	--

6)

<pre>1 #include <stdio.h> 2 3 int main() 4 { 5 int a=1; 6 while(a<=5){ 7 int b=a; 8 while(b>=1){ 9 10 printf("%d ",b); 11 b=b-1; 12 } 13 printf("\n"); 14 a=a+1; 15 } 16 return 0; 17 }</pre>	<pre>/tmp/FH72WECFLf.o 1 2 1 3 2 1 4 3 2 1 5 4 3 2 1 </pre>
--	--

7)

```

1 #include <stdio.h>
2
3 int main()
4 {
5     int a=1;
6     while(a<=5){
7         int b=1;
8         while(b<=a){
9
10            printf("* ");
11            b=b+1;
12        }
13        printf("\n");
14        a=a+1;
15    }
16    return 0;
17 }

```

```

/tmp/FH72wECFLf.o
*
* *
* * *
* * * *
* * * * *

```

8)

```

1 #include <stdio.h>
2
3 int main()
4 {
5     int a=1;
6     while(a<=5){
7         int b=1;
8         while(b<=a){
9
10            printf("%c ",(a+64));
11            b=b+1;
12        }
13        printf("\n");
14        a=a+1;
15    }
16    return 0;
17 }

```

```

/tmp/FH72wECFLf.o
A
B B
C C C
D D D D
E E E E E

```

9)

```

1 #include <stdio.h>
2
3 int main()
4 {
5     int a=1;
6     while(a<=5){
7         int b=a;
8         while(b<=5){
9
10            printf("* ");
11            b=b+1;
12        }
13        printf("\n");
14        a=a+1;
15    }
16    return 0;
17 }

```

```

/tmp/FH72wECFLf.o
* * * * *
* * * * *
* * * *
* *
*

```

10)

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int a=1;
6     while(a<=3){
7         int b=1;
8         while(b<=5){
9             if((a==2&&b==1)|| (a==2&&b==5)|| (a==3&&b==1)|| (a==3&&b==2)|| (a==3&&b==4)|| (a
10                ==3&&b==5)){
11                 printf(" ");
12             }
13             else{
14                 printf("* ");
15             }
16             b++;
17         }
18         printf("\n");
19         a=a+1;
20     }
21 }
```

/tmp/FH72wECFLf.o

```
*****
***
*
```

11)

```
1 #include <stdio.h>
2
3 void main()
4 {
5     int i,j,k,l;
6     i=5;
7     l=1;
8     while(l<=i){
9         j=1;
10        while(j<=i-l){
11
12            printf(" ");
13            j++;
14        }
15        k=1;
16        while(k<=l){
17            printf("* ");
18            k++;
19        }
20
21        printf("\n");
22        l++;
23    }
24 }
25
26 }
```

/tmp/FH72wECFLf.o

```
      *
     **
    ***
   ****
  *****
```

12)

```
1 #include <stdio.h>
2
3 void main()
4 {
5     int a=1;
6
7     while(a<=5){
8         int b=1;
9         while(b<=a){
10            printf("1 ");
11            b++;
12        }
13        printf("\n");
14        a++;
15    }
16 }
```

/tmp/FH72wECFLf.o

```
1
1 1
1 1 1
1 1 1 1
1 1 1 1 1
```