

Start here X

main.c X

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j;
    for(i=1;i<=4;++i)
    {
        for(j=1;j<=3;j++)
        {
            printf("*");
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\main.exe

Process returned 0 (0x0) exe

Press any key to continue.

Start here Xmain.c X

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

H:\hhhh\mai... - □ X

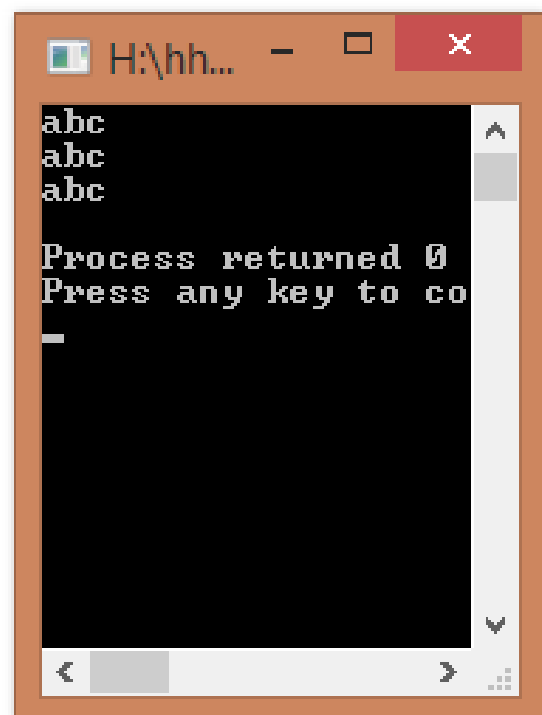
123
123
123

Process returned 0 (0x0)
Press any key to continue
-

Start here

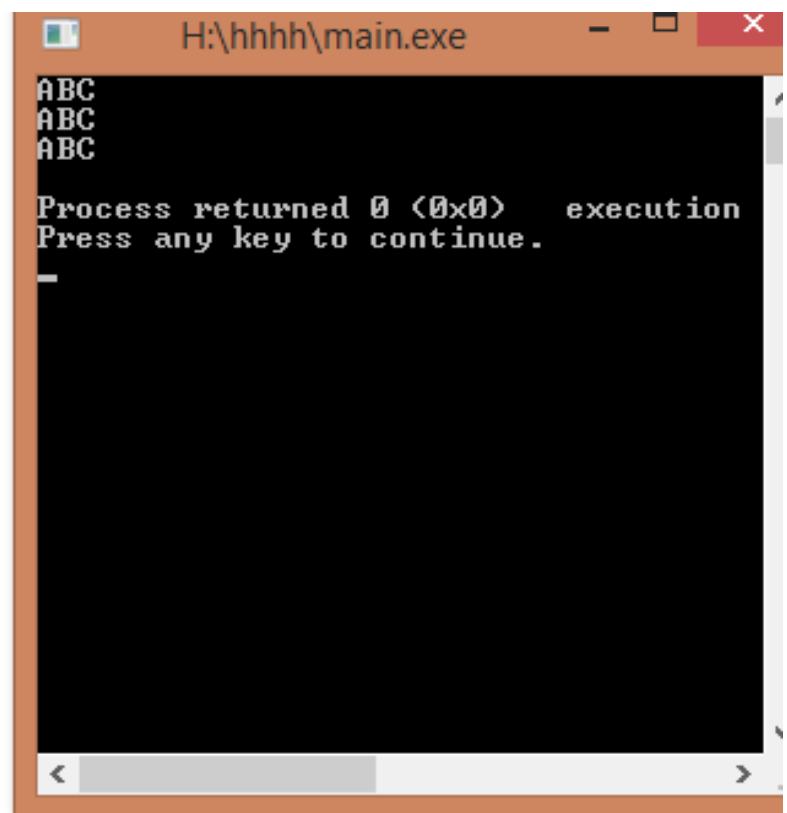
main.c

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j;
6      for(i=1;i<=3;++i)
7      {
8          for(j=97;j<=99;j++)
9          {
10             printf("%c",j);
11         }
12         printf("\n");
13     }
14     return 0;
15 }
16
```



```
H:\hh...
abc
abc
abc
Process returned 0
Press any key to continue
```

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j;
6      for(i=1;i<=3;++i)
7      {
8          for(j=65;j<=67;j++)
9          {
10             printf("%c",j);
11         }
12         printf("\n");
13     }
14     return 0;
15 }
16
```



```
H:\hhhh\main.exe
ABC
ABC
ABC
Process returned 0 (0x0) execution
Press any key to continue.
```

Start here X main.c X

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j;
    for(i=1;i<=3;++i)
    {
        for(j=1;j<=3;++j)
        {
            printf("%d",i);
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\...

111
222
333

Process returned 0 (0x0)
Press any key to contin
-

Start here X

main.c X

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j,k;
    k=1;
    for(i=1;i<=3;++i)
    {
        for(j=1;j<=3;++j,++k)
        {
            printf("%d",k);
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\main.exe

123

456

789

Process returned 0 (0x0) ex

Press any key to continue.

Start here X main.c X

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j,k;
6      k=97;
7      for(i=1;i<=3;++i)
8      {
9          for(j=1;j<=3;++j,++k)
10         {
11             printf("%c",k);
12         }
13         printf("\n");
14     }
15     return 0;
16 }
17
```

H:\hhhh\main.exe

abc
def
ghi

Process returned 0 (0x0) execu
Press any key to continue.

Start here

main.c

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j;
6      for(i=1;i<=5;++i)
7      {
8          for(j=1;j<=i;++j)
9          {
10             printf("*");
11         }
12         printf("\n");
13     }
14     return 0;
15 }
16
```

H:\hhhh\main.e...

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

Process returned 0 (0x0)
Press any key to continue.

Start here Xmain.c X

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

H:\hhhh\main.e... - □ X

1
12
123
1234
12345

Process returned 0 (0x0)
Press any key to continue.
—

< > ⋮

Start here Xmain.c X

1#include <stdio.h>
2#include <stdlib.h>
3int main()
4{
5int i,j,k;
6for(i=1;i<=5;++i)
7{
8for(j=1,k=97;j<=i;++j,++k)
9{
10printf("%c",k);
11}
12printf("\n");
13}
14return 0;
15}
16

H:\hhhh\main.exe

a
ab
abc
abcd
abcde

Process returned 0 (0x0) execution completed.
Press any key to continue.

Start here Xmain.c X

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j,k;
6      for(i=1;i<=5;++i)
7      {
8          for(j=1,k=65;j<=i;++j,++k)
9          {
10             printf("%c",k);
11          }
12             printf("\n");
13     }
14     return 0;
15 }
16
```

H:\hhhh\main.exe

```
A
AB
ABC
ABCD
ABCDE

Process returned 0 (0x0)   execution time: 0:00:00
Press any key to continue.
```

Start here X

main.c X

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    int i,j,k;
    for(i=1;i<=5;++i)
    {
        for(j=1;j<=i;++j)
        {
            printf("%d",i);
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\main.exe

X

```
1
22
333
4444
55555

Process returned 0 (0x0)   execution time
Press any key to continue.
```

<

>

The image shows a C program being executed. The code is in a file named `main.c` and is as follows:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j,k=97;
6      for(i=1;i<=4;++i)
7      {
8          for(j=1;j<=i;++j,++k)
9          {
10             printf("%c",k);
11          }
12             printf("\n");
13     }
14     return 0;
15 }
```

The program is run in a console window titled `H:\hhhh\main....`. The output of the program is:

```
a
bc
def
ghij

Process returned 0 (0x0)
Press any key to continue.
```

The output shows a triangular pattern of characters: 'a' on the first line, 'bc' on the second, 'def' on the third, and 'ghij' on the fourth. After the pattern, there is a blank line and the message 'Process returned 0 (0x0) Press any key to continue.'

The image shows a C program being executed. The code is in a file named `main.c` and is as follows:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j,k;
6      for(i=1;i<=4;++i)
7      {
8          for(j=1,k=97;j<=3;++j,++k)
9          {
10             printf("%c",k);
11          }
12             printf("\n");
13     }
14     return 0;
15 }
```

The program's output is displayed in a console window titled `H:\hhhh\main.exe`. The output consists of four lines, each containing the character 'a' three times, followed by a newline character. The console window also displays the message "Process returned 0 (0x0) execu" and "Press any key to continue.".

Start here X

main.c X

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j;
    for(i=1;i<=5;++i)
    {
        for(j=5;j>=i;--j)
        {
            printf("*");
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\main.exe

**
*

Process returned 0 (0x0) execution
Press any key to continue.

Start here Xmain.c X

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

H:\hhhh\main.exe

```
11111
2222
333
44
5
Process returned 0 (0x0)   execution
Press any key to continue.
```


Start here X main.c X

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

H:\hhhh\main.exe

```
54321
5432
543
54
5

Process returned 0 (0x0)   exec
Press any key to continue.
```

Start here × main.c ×

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

H:\hhhh\main.exe

```
12345
1234
123
12
1
Process returned 0 (0x0)   exe
Press any key to continue.
```

Start here X

main.c X

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j,k;
    for(i=1;i<=5;++i)
    {
        for(j=5,k=97;j>=i;--j,++k)
        {
            printf("%c",k);
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\main.exe

abcde

abcd

abc

ab

a

Process returned 0 (0x0) ex

Press any key to continue.

Start here Xmain.c X

1#include <stdio.h>
2#include <stdlib.h>
3int main()
4{
5 int i,j,k;
6 for(i=1;i<=5;++i)
7 {
8 for(j=5,k=65;j>=i;--j,++k)
9 {
10 printf("%c",k);
11 }
12 printf("\n");
13 }
14 return 0;
15 }
16

H:\hhhh\main.exe

ABCDE
ABCD
ABC
AB
A

Process returned 0 (0x0) e
Press any key to continue.
-

Start here X

main.c X

1

#include <stdio.h>

2

#include <stdlib.h>

3

int main()

4

{

5

int i,j,k;

6

for(i=1,k=65;i<=5;++i,++k)

7

{

8

for(j=5;j>=i;--j)

9

{

10

printf("%c",k);

11

}

12

printf("\n");

13

}

14

return 0;

15

}

16

H:\hhhh\main.exe

-

□

×

AAAAA

BBBBB

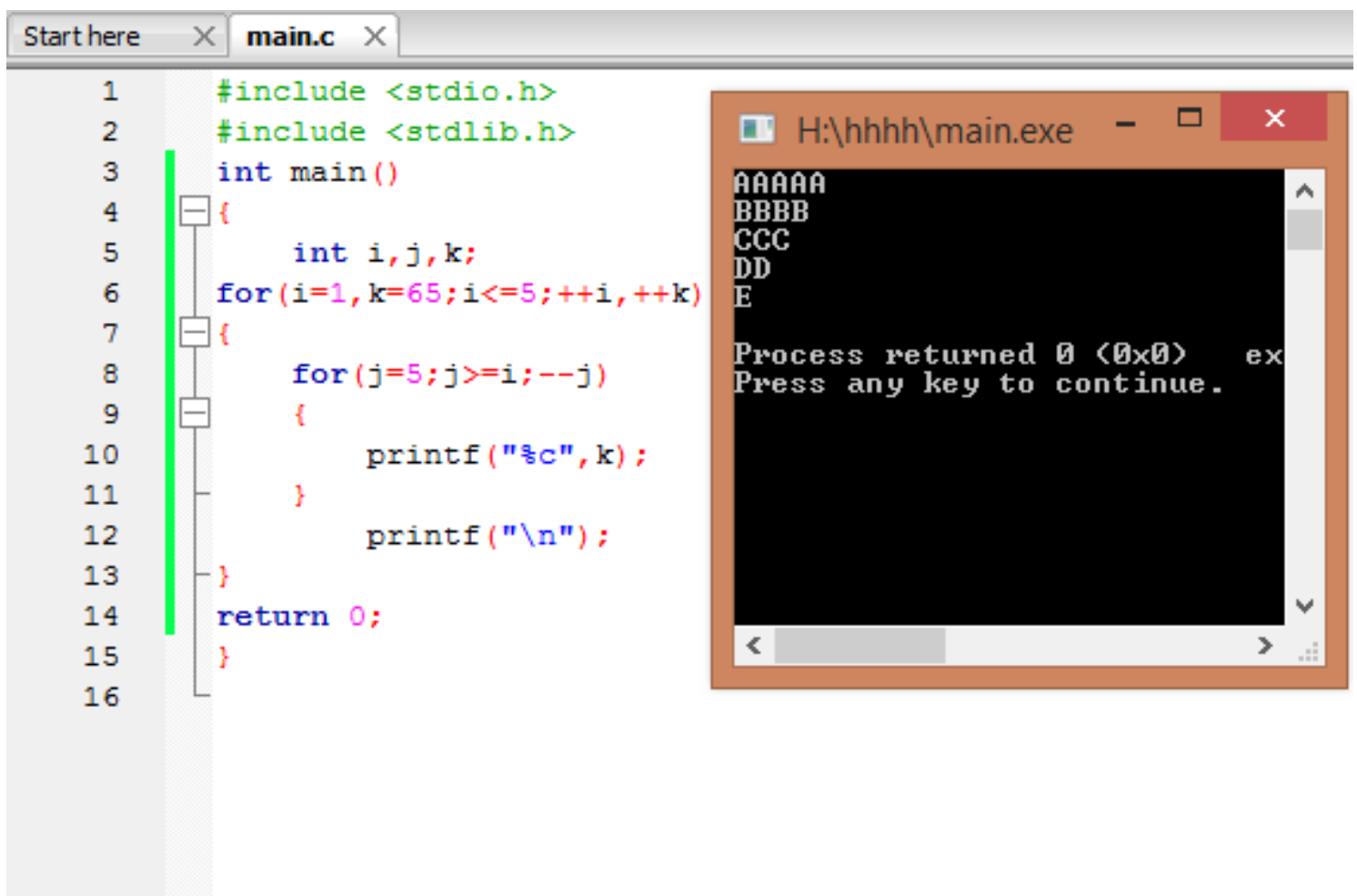
CCCCC

DDDDD

EEEEEE

Process returned 0 (0x0) ex

Press any key to continue.



Start here X main.c X

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

H:\hhhh\main.exe

```
55555
4444
333
22
1
Process returned 0 (0x0)   execution
Press any key to continue.
```

Start here

main.c

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

H:\h\h\h\main....

1234
567
89
10

Process returned 0 (0x0)
Press any key to continue.

Start here X

main.c X

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j,k=97;
6      for(i=1;i<=4;++i)
7      {
8          for(j=4;j>=i;--j,++k)
9          {
10             printf("%c",k);
11         }
12         printf("\n");
13     }
14     return 0;
15 }
16
```

H:\hhhh\main.e

abcd
efg
hi
j

Process returned 0 (0x0)
Press any key to continue.

Start here X main.c X

1#include <stdio.h>
2#include <stdlib.h>
3int main()
4{
5 int i,j,k=65;
6 for(i=1;i<=4;++i)
7 {
8 for(j=4;j>=i;--j,++k)
9 {
10 printf("%c",k);
11 }
12 printf("\n");
13 }
14 return 0;
15 }
16

H:\hhhh\main.exe

ABCD
EFG
HI
J

Process returned 0 (0x0) executi
Press any key to continue.

Start here

main.c

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j,k;
6      for(i=1;i<=5;++i)
7      {
8          for(j=1;j<i;j++)
9          {
10             printf(" ");
11          }
12
13          for(k=5;k>=i;--k)
14          {
15             printf("*");
16          }
17          printf("\n");
18      }
19      return 0;
20  }
21
```

H:\hhh...

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

Process returned 0 (0x0)
Press any key to continue . . .

Start here X

main.c X

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j,k;
    for(i=1;i<=5;++i)
    {
        for(j=5,k=1;j>=i;--j,k++)
        {
            printf("%d",k);
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\mai...

12345
1234
123
12
1
Process returned 0 (0x0)
Press any key to continue

Start here X

main.c X

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j,k;
6      for(i=1;i<=5;++i)
7      {
8          for(j=5,k=97;j>=i;--j,k++)
9          {
10             printf("%c",k);
11         }
12         printf("\n");
13     }
14     return 0;
15 }
16
```

H:\hhhh\...
abcde
abcd
abc
ab
a
Process returned 0 (0x0)
Press any key to contin
_

Start here X

main.c X

1

#include <stdio.h>

2

#include <stdlib.h>

3

int main()

4

{

5

int i,j,k;

6

for(i=1;i<=5;++i)

7

{

8

for(j=5,k=65;j>=i;--j,k++)

9

{

10

printf("%c",k);

11

}

12

printf("\n");

13

}

14

return 0;

15

}

16

H:\hhhh\main.exe

ABCE
ABCD
ABC
AB
A

Process returned 0 (0x0) exe
Press any key to continue.

Start here X main.c X

12345678910111213141516

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j,k;
    for(i=1,k=5;i<=5;++i,--k)
    {
        for(j=5;j>=i;--j)
        {
            printf("%d",k);
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\main.ex...

55555
4444
333
22
1

Process returned 0 (0x0)
Press any key to continue.

The image shows a C program in a code editor and its execution in a command prompt window. The code is a simple program that prints the numbers 1 through 10 in a specific pattern. The code editor window has tabs for 'Start here' and 'main.c'. The code is as follows:

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

The command prompt window, titled 'H:\hhhh\main.exe', shows the output of the program:

```
1234
567
89
10

Process returned 0 (0x0)   exe
Press any key to continue.
```

Start here X main.c X

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j,k=65;
6      for(i=1;i<=4;++i)
7      {
8          for(j=4;j>=i;--j,++k)
9          {
10             printf("%c",k);
11          }
12             printf("\n");
13     }
14     return 0;
15 }
16
```

H:\hhhh\main.exe

ABCD
EFG
HI
J

Process returned 0 (0x0) execution time: 0.000 sec
Press any key to continue.

Start here

main.c

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j,k=97;
    for(i=1;i<=4;++i)
    {
        for(j=4;j>=i;--j,++k)
        {
            printf("%c",k);
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\main.exe

abcd
efg
hi
j
Process returned 0 (0x0)
Press any key to continue.

Start here X

main.c X

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

H:\hhhh\main.exe

```
1
12
123
1234
12345

Process returned 0 (0x0)   ex
Press any key to continue.

```

Start here X main.c X

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j,k;
    for(i=1;i<=5;++i)
    {
        for(j=1,k=97;j<=i;++j,++k)
        {
            printf("%c",k);
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\main.exe

```
a
ab
abc
abcd
abcde

Process returned 0 (0x0)   execu
Press any key to continue.
```

The image shows a C program in a code editor and its execution output in a separate window. The code is a program that prints the first five letters of the alphabet (A through E) in a single column. It uses nested loops: an outer loop for the number of letters (1 to 5) and an inner loop for the ASCII values of the letters (65 to 65+i). The output window shows the letters A, AB, ABC, ABCD, and ABCDE on separate lines, followed by a message indicating the process returned 0 and a prompt to press any key to continue.

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j,k;
6      for(i=1;i<=5;++i)
7      {
8          for(j=1,k=65;j<=i;++j,++k)
9          {
10             printf("%c",k);
11         }
12         printf("\n");
13     }
14     return 0;
15 }
16
```

H:\hhh... - [X]

A
AB
ABC
ABCD
ABCDE

Process returned 0 <
Press any key to con

Start here X main.c X

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

H:\hhhh\mai...

```
1
22
333
4444
55555

Process returned 0 (0x0)
Press any key to continue
```

Start here X

main.c X

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

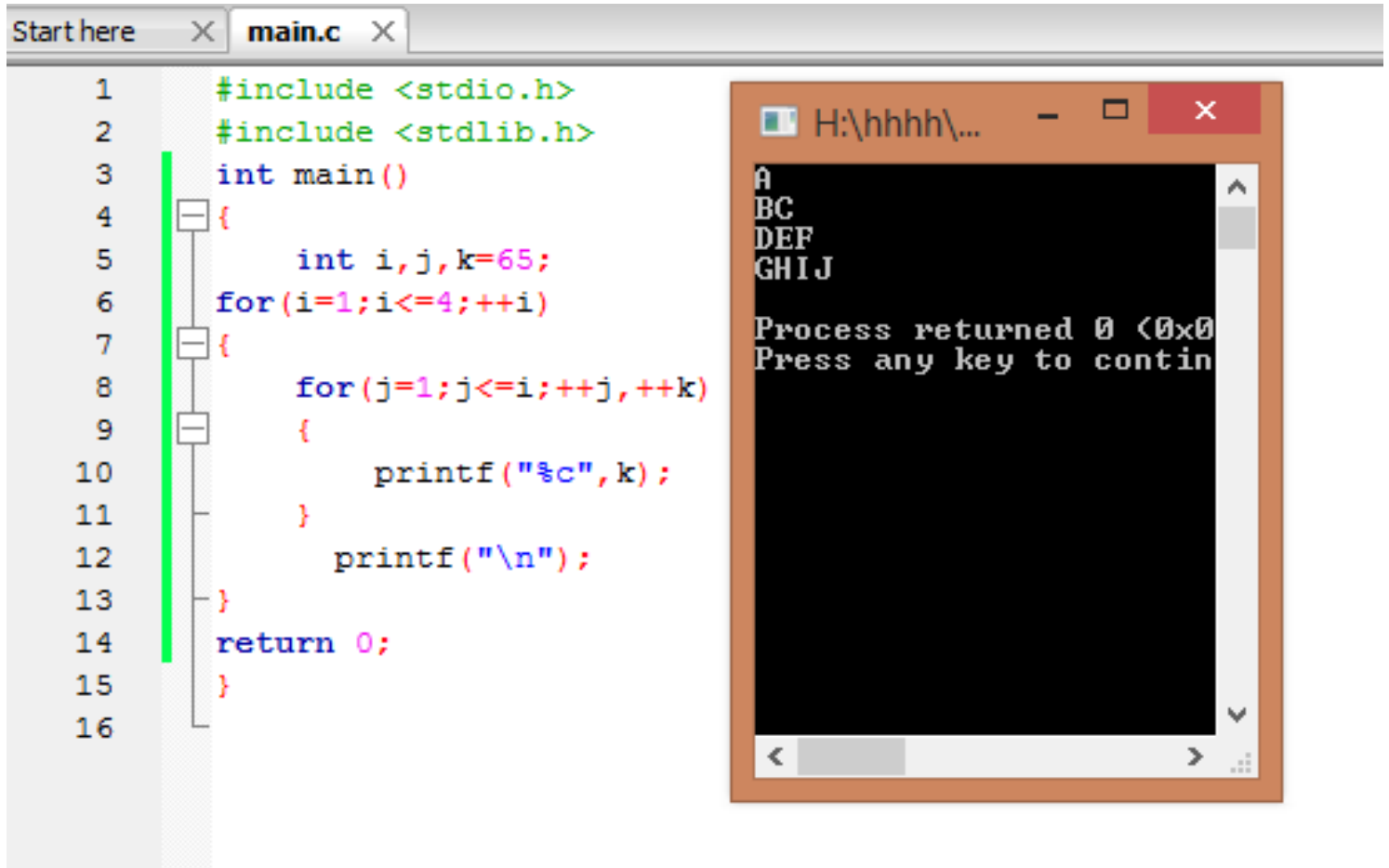
```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j,k=1;
    for(i=1;i<=4;++i)
    {
        for(j=1;j<=i;++j,++k)
        {
            printf("%d",k);
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\main.exe

1
23
456
78910

Process returned 0 (0x0) ex
Press any key to continue.
—

< >



Start here X

main.c X

1#include <stdio.h>

2#include <stdlib.h>

3int main()

4{

5 int i,j,k=97;

6 for(i=1;i<=4;++i)

7 {

8 for(j=1;j<=i;++j,++k)

9 {

10 printf("%c",k);

11 }

12 printf("\n");

13 }

14 return 0;

15}

16

H:\hhhh\main.ex...

a

bc

def

ghij

Process returned 0 (0x0)

Press any key to continue.

Start here X main.c X

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j,k;
    for(i=1;i<=5;++i)
    {
        for(j=5,k=1;j>=i;--j,k++)
        {
            printf("%d",k);
        }
        printf("\n");
    }
    return 0;
}
```

H:\hhhh\main.exe

```
12345
1234
123
12
1
Process returned 0 (0x0)   exec
Press any key to continue.
```

Start here X main.c X

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      int i,j,k;
6      for(i=1;i<=5;++i)
7      {
8          for(j=5,k=65;j>=i;--j,k++)
9          {
10             printf("%c",k);
11          }
12             printf("\n");
13     }
14     return 0;
15 }
16
```

H:\hhhh\main.exe

ABCDE
ABCD
ABC
AB
A

Process returned 0 (0x0) exec
Press any key to continue.

Start here X

main.c X

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j,k;
    for(i=1;i<=5;++i)
    {
        for(j=5,k=97;j>=i;--j,k++)
        {
            printf("%c",k);
        }
        printf("\n");
    }
    return 0;
}
```



Start here X

main.c X

1

#include <stdio.h>

2

#include <stdlib.h>

3

int main()

4

{

5

int i,j,k;

6

for(i=1,k=5;i<=5;++i,--k)

7

{

8

for(j=5;j>=i;--j)

9

{

10

printf("%d",k);

11

}

12

printf("\n");

13

}

14

return 0;

15

}

16

H:\hhhh\main.exe

55555

4444

333

22

1

Process returned 0 (0x0) ex

Press any key to continue.

Start here

main.c

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

H:\hhhh\main.exe

1234
567
89
10

Process returned 0 (0x0) execution
Press any key to continue.

Start here X

main.c X

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

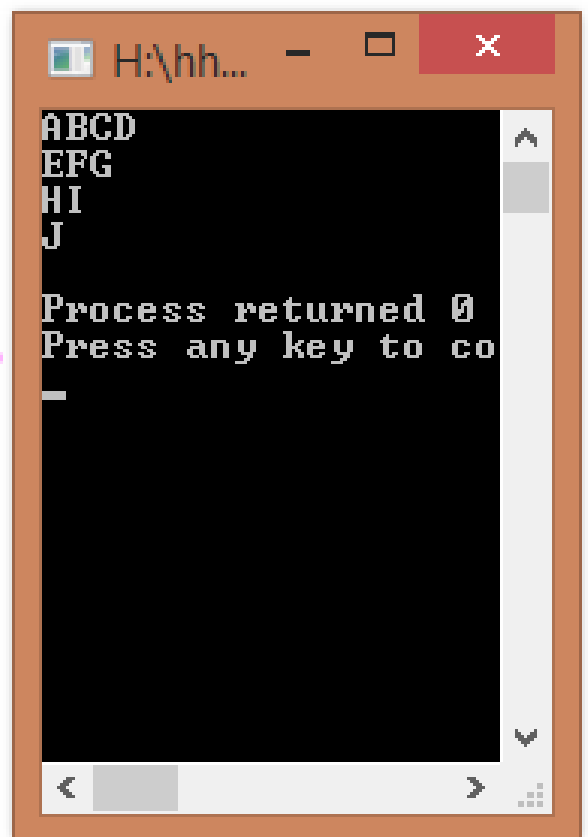
16

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int i,j,k=65;
    for(i=1;i<=4;++i)
    {
        for(j=4;j>=i;--j,k++)
        {
            printf("%c",k);
        }
        printf("\n");
    }
    return 0;
}
```

H:\hh...

ABCD
EFG
HI
J

Process returned 0
Press any key to co



Start here X

main.c X

1

#include <stdio.h>

2

#include <stdlib.h>

3

int main()

4

{

5

int i,j,k=97;

6

for(i=1;i<=4;++i)

7

{

8

for(j=4;j>=i;--j,k++)

9

{

10

printf("%c",k);

11

}

12

printf("\n");

13

}

14

return 0;

15

}

16

H:\hhhh\main.exe

abcd
efg
hi
j

Process returned 0 (0x0) execution
Press any key to continue.
—