/\*

ABCDEF

ABCDEF

ABCDEF

ABCDEF

ABCDEF

\*/

**package** org.pattern;

**public** **class** Pattern1 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 65; j <= 65 + n; j++) {

System.***out***.print((**char**) j);

}

System.***out***.println();

}

}

}

/\*

1 0 1 0 1

0 1 0 1 0

1 0 1 0 1

0 1 0 1 0

1 0 1 0 1

\*/

**package** org.pattern;

**public** **class** Pattern2 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**int** count = 0;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= n; j++) {

count++;

**int** temp = count % 2;

System.***out***.print(temp + " ");

}

System.***out***.println();

}

}

}

/\*

1 2 3 4 5

6 7 8 9 1

2 3 4 5 6

7 8 9 1 2

3 4 5 6 7

\*/

**package** org.pattern;

**public** **class** Pattern3 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**int** k = 1;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= n; j++) {

System.***out***.print(k + " ");

k++;

**if** (k == 10)

k = 1;

}

System.***out***.println();

}

}

}

/\*

A B C D E

F G H I J

K L M N O

P Q R S T

U V W X Y

\*/

**package** org.pattern;

**public** **class** Pattern4 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**int** k = 65;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= n; j++) {

System.***out***.print((**char**) k + " ");

k++;

}

System.***out***.println();

}

}

}

/\*

R R R R R

A A A A A

G G G G G

H H H H H

U U U U U

\*/

**package** org.pattern;

**public** **class** Pattern5 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

String sir = "RAGHU";

**for** (**int** i = 0; i < sir.length(); i++) {

**for** (**int** j = 0; j < sir.length(); j++) {

System.***out***.print(sir.charAt(i) + " ");

}

System.***out***.println();

}

}

}

/\*

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

\*/

**package** org.pattern;

**public** **class** Pattern6 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**int** k = 1;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(i + " ");

}

System.***out***.println();

}

}

}

/\*

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

\*/

**package** org.pattern;

**public** **class** Pattern7 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(j + " ");

}

System.***out***.println();

}

}

}

/\*

1 1 1 1 1

2 2 2 2

3 3 3

4 4

5

\*/

**package** org.pattern;

**public** **class** Pattern8 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= n - i + 1; j++) {

System.***out***.print(i + " ");

}

System.***out***.println();

}

}

}

/\*

5 5 5 5 5

4 4 4 4

3 3 3

2 2

1

\*/

**package** org.pattern;

**public** **class** Pattern9 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = n; i >= 1; i--) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(i + " ");

}

System.***out***.println();

}

}

}

/\*

1

2 3

4 5 6

7 8 9 1

2 3 4 5 6

\*/

**package** org.pattern;

**public** **class** Pattern10 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**int** k = 1;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(k + " ");

k++;

**if** (k == 10)

k = 1;

}

System.***out***.println();

}

}

}

/\*

1

0 1

0 1 0

1 0 1 0

1 0 1 0 1

\*/

**package** org.pattern;

**public** **class** Pattern11 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**int** k = 1;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(k % 2 + " ");

k++;

}

System.***out***.println();

}

}

}

/\*

1

0 1

0 1 0

1 0 1 0

1 0 1 0 1

\*/

**package** org.pattern;

**public** **class** Pattern11 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**int** k = 1;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(k % 2 + " ");

k++;

}

System.***out***.println();

}

}

}

/\*

a

b c

d e f

g h i j

k l m n o

p q r s t u

v w x y z a b

c d e f g h i j

\*/

**package** org.pattern;

**public** **class** Pattern13 {

**public** **static** **void** main(String[] args) {

**int** n = 8;

**int** k = 1;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print((**char**) (96 + k) + " ");

k++;

**if** (k == 27)

k = 1;

}

System.***out***.println();

}

}

}

/\*

1

1 0

1 0 1

1 0 1 0

1 0 1 0 1

\*/

**package** org.pattern;

**public** **class** Pattern14 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(j%2 + " ");

}

System.***out***.println();

}

}

}

/\*

1 1 1 1 1

0 0 0 0

1 1 1

0 0

1

\*/

**package** org.pattern;

**public** **class** Pattern15 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = n; i>=1; i--) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(i%2 + " ");

}

System.***out***.println();

}

}

}

/\*

1

0 0

1 1 1

0 0 0 0

1 1 1 1 1

\*/

**package** org.pattern;

**public** **class** Pattern16 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(i % 2 + " ");

}

System.***out***.println();

}

}

}

/\*

1 0 1 0 1

0 1 0 1

0 1 0

1 0

1

\*/

**package** org.pattern;

**public** **class** Pattern17 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**int** k = 1;

**for** (**int** i = n; i >= 1; i--) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(k % 2 + " ");

k++;

}

System.***out***.println();

}

}

}

/\*

1 2 3 4 5

6 7 8 9

1 2 3

4 5

6

\*/

**package** org.pattern;

**public** **class** Pattern18 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**int** k = 1;

**for** (**int** i = n; i >= 1; i--) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(k + " ");

k++;

**if**(k==10)

k=1;

}

System.***out***.println();

}

}

}

/\*

a b c d e

a b c d

a b c

a b

a

\*/

**package** org.pattern;

**public** **class** Pattern19 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = n; i >= 1; i--) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print((**char**) (96 + j) + " ");

}

System.***out***.println();

}

}

}

/\*

a a a a a

b b b b

c c c

d d

e

\*/

**package** org.pattern;

**public** **class** Pattern20 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**int** k = 1;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= n - i + 1; j++) {

System.***out***.print((**char**) (i + 96) + " ");

}

System.***out***.println();

}

}

}

/\*

a

b b

c c c

d d d d

e e e e e

\*/

**package** org.pattern;

**public** **class** Pattern21 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**int** k = 1;

**for** (**int** i = 1; i <= n; i++) {

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print((**char**) (i + 96) + " ");

}

System.***out***.println();

}

}

}

/\*

A

B A

C B A

D C B A

E D C B A

\*/

**package** org.pattern;

**public** **class** Pattern22 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = 1; i <= n; i++) {

**int** k = i;

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print((**char**) (k + 64) + " ");

--k;

}

System.***out***.println();

}

}

}

/\*

1

2 1

3 2 1

4 3 2 1

5 4 3 2 1

\*/

**package** org.pattern;

**public** **class** Pattern23 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = 1; i <= n; i++) {

**int** k = i;

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(k + " ");

--k;

}

System.***out***.println();

}

}

}

/\*

5 4 3 2 1

4 3 2 1

3 2 1

2 1

1

\*/

**package** org.pattern;

**public** **class** Pattern24 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = n; i >= 1; i--) {

**int** k = i;

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(k + " ");

k--;

}

System.***out***.println();

}

}

}

/\*

5 4 3 2 1

4 3 2 1

3 2 1

2 1

1

\*/

**package** org.pattern;

**public** **class** Pattern25 {

**public** **static** **void** main(String[] args) {

**int** n = 5;

**for** (**int** i = n; i >= 1; i--) {

**int** k = i;

**for** (**int** j = 1; j <= i; j++) {

System.***out***.print(k + " ");

k--;

}

System.***out***.println();

}

}

}

/\*

R

R A

R A G

R A G H

R A G H U

\*/

**package** org.pattern;

**public** **class** Pattern26 {

**public** **static** **void** main(String[] args) {

String s = "RAGHU";

**for** (**int** i = 0; i < s.length(); i++) {

**for** (**int** j = 0; j <= i; j++) {

System.***out***.print(s.charAt(j) + " ");

}

System.***out***.println();

}

}

}