



```
2 //문제 4-1
   Byungmu Kang *
3 public static void main(String[] args) {
4     /*1. int x;
5     //10<x&& x<20
6     //2. char ch;
7     //ch!=' ' || ch!='\t'
8     //3. char ch;
9     //ch=='x' || ch=='X'
10    //4. char ch;
11    '0'<=ch&&ch<='9'
12    5. char ch;
13    'A'<=ch&&ch<='z'
14    6. int year;
15    year%400==0 || (year%4==0&&year%100!=0)
16    7. boolean powerOn;
17    powerOn==false
18    8. String str;
19    str.equals("yes")
20    */
```

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java - practice.java

java > src > practice > main

practice.java

Project

Commit

Pull Requests

Database

Key Promoter X

Notifications

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Byungmu Kang *

Byungmu Kang *

```
1  public class practice {
2      //문제 4-2
3      public static void main(String[] args){
4          int i, sum=0;
5          for(i=1;i<=20;i++){//for문을 이용해서 1~20까지의 정수범위
6              if(i%2!=0&& i%3!=0){//2로 나눈 나머지가 0이 아니고 3으로 나눈 나머지가 0이 아닐 때
7                  sum+=i;//sum에 i를 더한다.
8              }
9          }
10         System.out.println(sum);
11     }
12
13
14
15
```

Run: practice

Run

73

Process finished with exit code 0

Git

Run

TODO

Problems

Terminal

Services

Profiler

Build

Build completed successfully in 998 ms (a minute ago)

2:13 CRLF UTF-8 4 spaces master

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java - practice.java

java > src > practice > main

practice

Git

DatabaseKey Promoter XNotifications

practice.java

Byungmu Kang *

6

1 public class practice {
2 //문제 4-3
3 Byungmu Kang *
4 public static void main(String[] args){
5 int i,j, sum=0, total=0; //i,j,sum, total 선언한 후
6 for(i=1;i<=10;i++){ //i가 하나씩 증가하는 for문
7 for(j=1;j<=i;j++){ //j가 하나씩 증가하는 for문에서 i보다 작을때까지
8 sum+=j; //sum에 더해준다.
9 }
10 total+=sum; //sum을 total에 더해주고
11 sum=0; //sum을 0으로 초기화한 후 반복
12 }
13 System.out.println(total);
14 }
15 }
16 }
17 }

Run: practice

"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" -javaagent:C:\Users\Byungmu\Desktop\
220
Process finished with exit code 0

GitRunTODOProblemsTerminalServicesProfilerBuild

Build completed successfully in 953 ms (a minute ago)10:39 CRLF UTF-8 4 spaces master

FileEditViewNavigateCodeRefactorBuildRunToolsGitWindowHelp

java - practice.java

java > src > practice > main

practice.java

1import java.sql.SQLOutput;

2

3public class practice {

4//문제 4-4

5public static void main(String[] args){

6int i, sum=0;

7for (i = 1; ; i++) {//for문에서 i=1부터 범위는 무한히, i를 1씩 더해준다.

8if (i % 2 != 0)//i가 홀수면 더하고

9sum += i;

10else//짝수면 빼다.

11sum -= i;

12if(sum>=100)//만약 총합이 100을 넘어갈시

13break;//반복문 탈출

14}

15System.out.println(i);//반복문 탈출할 때의 i 출력

16}

17

18

19



20}

Run: practice

"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" -javaagent:C:\Users\Byungmu\Desktop\199


Process finished with exit code 0

Build completed successfully in 858 ms (a minute ago)15:48 CRLF UTF-8 4 spaces master

```
java > src >  practice >  main
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practice

```
import java.sql.SQLOutput;
```

 Byungmu Kang *

```
public class practice {
```

//문제 4-5

 Byungmu Kang *

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

```
int i = 0;
```

```
while (i <= 10) { // i가 10보다 작거나 같을 때 까지
```

```
int j = 0; //j 선언
```

```
while (j <= i) { // j가 i와 같을때까지
```

```
System.out.print("*");//*출력
```

```
j++; //j에 1 더하고
```

```
System.out.println();//*출력이 끝난후 줄 바꾸고
```

```
i++; // i 1 증가
```

}

}

}

Run: ☐ practice ×

```
Process finished with exit code 0
```

FileEditViewNavigateCodeRefactorBuildRunToolsGitWindowHelp

java - practice.java

java › src › practice › main

practice

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import java.sql.SQLOutput;

Byungmu Kang *

public class practice {

//문제 4-6

Byungmu Kang *

public static void main(String[] args) {

int i,j;

for(i=1; i<=5;i++){//i는 1부터 5까지

j=6-i;//j와 i의 합이 6이다.

System.out.printf("%d+%d=%d",i, j, 6);//printf를 통해 i, j, 6 출력

System.out.println("");//줄 바꿈

}

}

}

Run: practice

1+5=6

2+4=6

3+3=6

4+2=6

5+1=6

6+0=6

Process finished with exit code 0

Build completed successfully in 891 ms (2 minutes ago)

4:13 CRLF UTF-8 4 spaces master

Database

Key Promoter X

Codota

Notifications

FileEditViewNavigateCodeRefactorBuildRunToolsGitWindowHelp

java - practice.java

java › src › practice › main

practice

Git

DatabaseKey Promoter XCodotaNotifications

practice.java ×

1import java.sql.SQLOutput;

2

3Byungmu Kang *
public class practice {

4//문제 4-7
Byungmu Kang *
public static void main(String[] args) {

5

6int value = ((int)(Math.random()*6+1));

7/*

8math random은 0부터 1까지 무작위의 수를 도출한다.

96을 곱해주면 범위는 0부터 6이 된다.

10int를 씌어주면 0,1,2,3,4,5의 값 중 하나가 나올 것이고

111을 더해주면 1~6까지의 값을 무작위로 얻을 수 있다.

12*/

13System.out.println("value:"+value);

14

15}

16}

17

Run: practice ×

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"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" -javaagent:C:\Users\Byungmu\Desktop\value:3

Process finished with exit code 0

GitRunTODOProblemsTerminalServicesProfilerBuild

Build completed successfully in 911 ms (a minute ago)7:11 CRLF UTF-8 4 spaces master

FileEditViewNavigateCodeRefactorBuildRunToolsGitWindowHelp

java - practice.java

java › src › practice › main

practice

practice.java ×

1import java.sql.SQLOutput;

2

3Byungmu Kang *
public class practice {

4//문제 4-8
Byungmu Kang *
public static void main(String[] args) {

5int x=0, y=0; //변수 선언

6for(x=0; x<=10; x++){ //x를 0부터 10까지 증가

7for(y=0; y<=10; y++){ //y를 0부터 10까지 증가

8if(2*x+4*y==10){ //2x+4y ==10이라면

9System.out.printf("x=%d, y=%d", x, y); //x, y 출력후

10System.out.println(""); //줄바꿈

11}

12}

13}

14}

15}

16}

17

Run: practice ×

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"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" -javaagent:C:\Users\Byungmu\Desktop\
x=1, y=2
x=3, y=1
x=5, y=0

Process finished with exit code 0

GitRunTODOProblemsTerminalServicesProfilerBuild

Build completed successfully in 1 sec, 377 ms (a minute ago)

4:13CRLFUTF-84 spacesmaster

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