

## Md.soykot(181-041-042)

### Q1:

```
file edit selection find view goto tools project preferences help
input.txt x program_1.py x program_2.py x program_3.py x output.txt x
1 #include <stdio.h>
2 int main() {
3     int a;
4     long b;    // equivalent to long int b;
5     long long c; // equivalent to long long int c;
6     double e;
7     long double f;
8
9     printf("Size of int = %zu bytes \n", sizeof(a));
10    printf("Size of long int = %zu bytes\n", sizeof(b));
11    printf("Size of long long int = %zu bytes\n", sizeof(c));
12    printf("Size of double = %zu bytes\n", sizeof(e));
13    printf("Size of long double = %zu bytes\n", sizeof(f));
14
15    return 0;
16 }
17
```

```
input.txt x program_1.py x program_2.py x program_3.py x output.txt x
1
2 first_file = open("input.txt", "r")
3 all_data=first_file.read()
4 first_file.close()
5 |
6 first_file = open("input.txt", "r")
7 all_line=first_file.readlines()
8 first_file.close()
9
10 second_file = open("output.txt", "w+")
11 for line in all_data:
12     second_file.write(line)
13 second_file.close()
14
15 count_operator=[]
16 opertor=['+', '-', '*', '/', '%', '=', '<', '>', '!', '&', '|']
17
18 total=len(all_line)
19
20 print("total line:",total)
21 for opr in opertor:
22     cou=all_data.count(opr)
```

```

16 opertor=['+', '-', '*', '/', '%', '=', '<', '>', '!', '&', '|']
17
18 total=len(all_line)
19
20 print("total line:",total)
21 for opr in opertor:
22     cou=all_data.count(opr)
23     count_operator.append(cou)
24
25 print("operator = value")
26 for i in range(len(opertor)):
27     print("      ",opertor[i],"      ",count_operator[i])
28
29

```

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```

output.txt x input.txt x program_1.py x program_2.py x program_3.py x
1 #include <stdio.h>
2 int main() {
3     int a;
4     long b;    // equivalent to long int b;
5     long long c; // equivalent to long long int c;
6     double e;
7     long double f;
8
9     printf("Size of int = %zu bytes \n", sizeof(a));
10    printf("Size of long int = %zu bytes\n", sizeof(b));
11    printf("Size of long long int = %zu bytes\n", sizeof(c));
12    printf("Size of double = %zu bytes\n", sizeof(e));
13    printf("Size of long double = %zu bytes\n", sizeof(f));
14
15    return 0;
16 }
17

```

```
18 total=len(all_line)
total line: 4
operator = value
+      1
-      0
*      0
/      0
%      0
=      3
<      0
>      0
!      0
&      0
|      0
process is terminated with return code 0.
```

**Q2:**

```
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output.txt x input.txt x program_1.py x program_2.py
1 fdfd3434343
2 |
```

```
File Edit Selection Find View Goto Tools Project Preferences Help
output.txt x input.txt x program_1.py x program_2.py x
1 file = open("input.txt", "r")
2 line = file.readline()
3 file.close()
4
5 for i in line:
6     if i.isnumeric():
7         print('True')
8     else:
9         print('False')
10
11
```

```
String is:  int a = 10;
```

```
False
```

```
process is terminated with return code 0.
```

**Q3:**

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output.txt

×

input.txt

×

program\_1.py

×

program\_2.py

×

```
1 int a = 10;
2 int b = 20;
3 int sum = a + b ;
4 print(b)
5 |
```

```
output.txt x input.txt x program_1.py x program_2.py x program_3.py x
1
2 file = open("input.txt", "r")
3 lines = file.readlines()
4 file.close()
5
6 all_keyword = ['auto', 'double', 'int', 'struct', 'break', 'else',
7               'long', 'switch', 'case', 'enum', 'register', 'typedef',
8               'char', 'extern', 'return', 'union', 'continue', 'for',
9               'signed', 'void', 'do', 'if', 'static', 'while', 'default',
10              'goto', 'sizeof', 'volatile', 'const', 'float', 'short', 'unsigned']
11
12 for line in lines:
13     for single_keyword in all_keyword:
14         if single_keyword in line:
15             print(single_keyword, 'is found')
16
```

```
0 3 lines = file.readlines()
4 file.close()
5
6 all_keyword = ['auto', 'double', 'int', 'struct',
7               'long', 'switch', 'case', 'enum', 'register', '
int is found
int is found
int is found
int is found
process is terminated with return code 0.
```