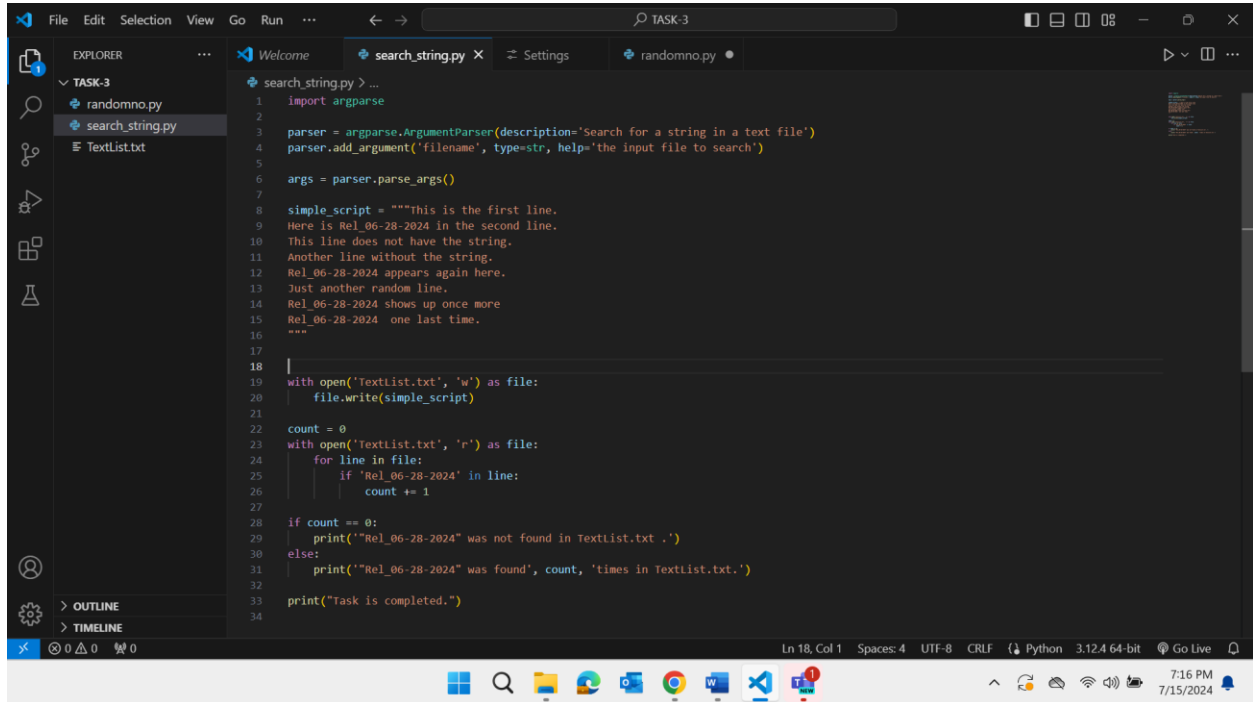


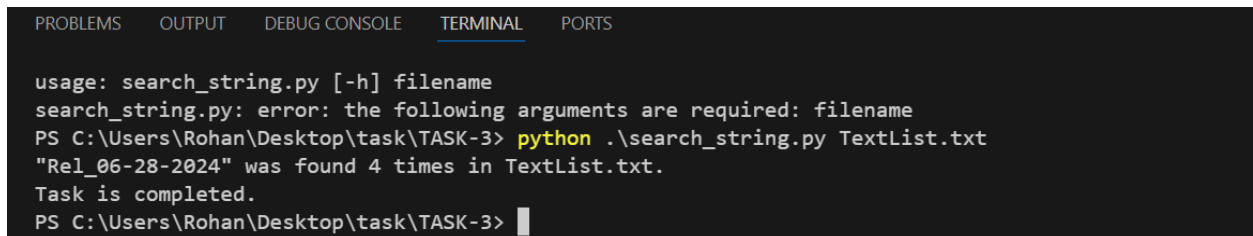
Task-3

1.



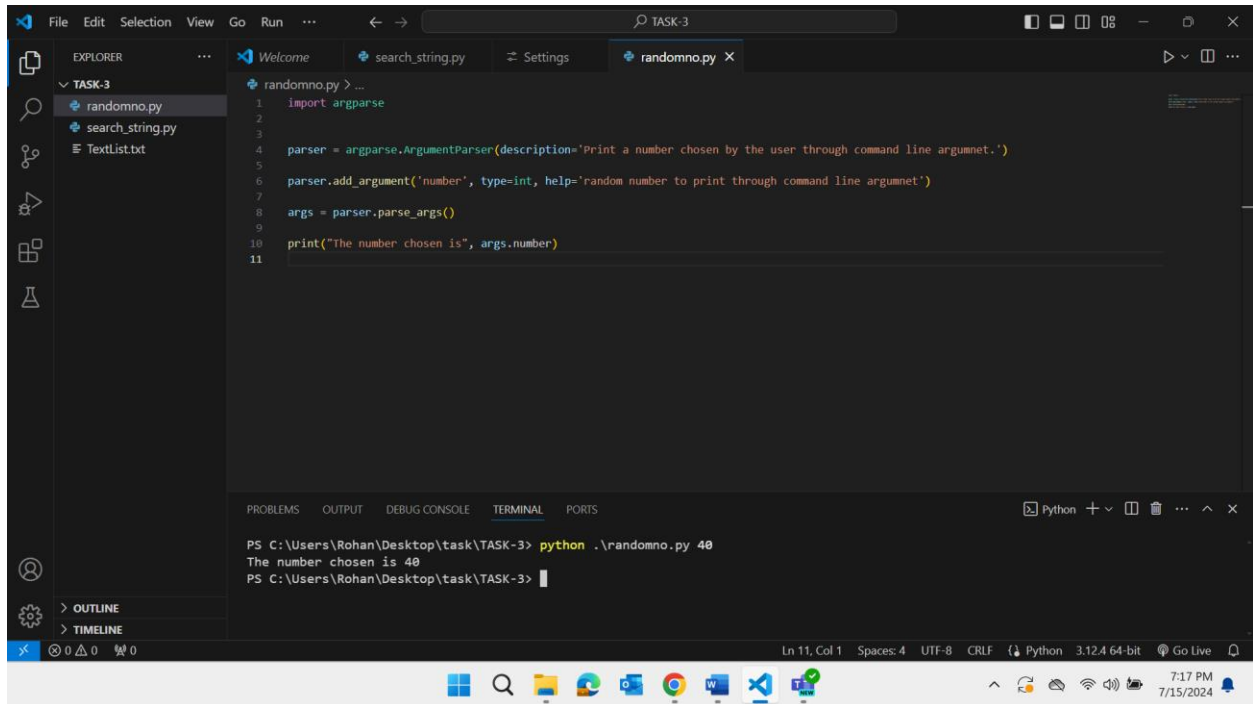
```
1 import argparse
2
3 parser = argparse.ArgumentParser(description='Search for a string in a text file')
4 parser.add_argument('filename', type=str, help='the input file to search')
5
6 args = parser.parse_args()
7
8 simple_script = """this is the first line.
9 Here is Rel_06-28-2024 in the second line.
10 This line does not have the string.
11 Another line without the string.
12 Rel_06-28-2024 appears again here.
13 Just another random line.
14 Rel_06-28-2024 shows up once more
15 Rel_06-28-2024 one last time.
16 """
17
18
19 with open('Textlist.txt', 'w') as file:
20     file.write(simple_script)
21
22 count = 0
23 with open('Textlist.txt', 'r') as file:
24     for line in file:
25         if 'Rel_06-28-2024' in line:
26             count += 1
27
28 if count == 0:
29     print("Rel_06-28-2024 was not found in Textlist.txt.")
30 else:
31     print("Rel_06-28-2024 was found", count, 'times in Textlist.txt.')
32
33 print("Task is completed.")
34
```

Output:-



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
usage: search_string.py [-h] filename
search_string.py: error: the following arguments are required: filename
PS C:\Users\Rohan\Desktop\task\TASK-3> python .\search_string.py TextList.txt
"Rel_06-28-2024" was found 4 times in TextList.txt.
Task is completed.
PS C:\Users\Rohan\Desktop\task\TASK-3>
```

2. with output

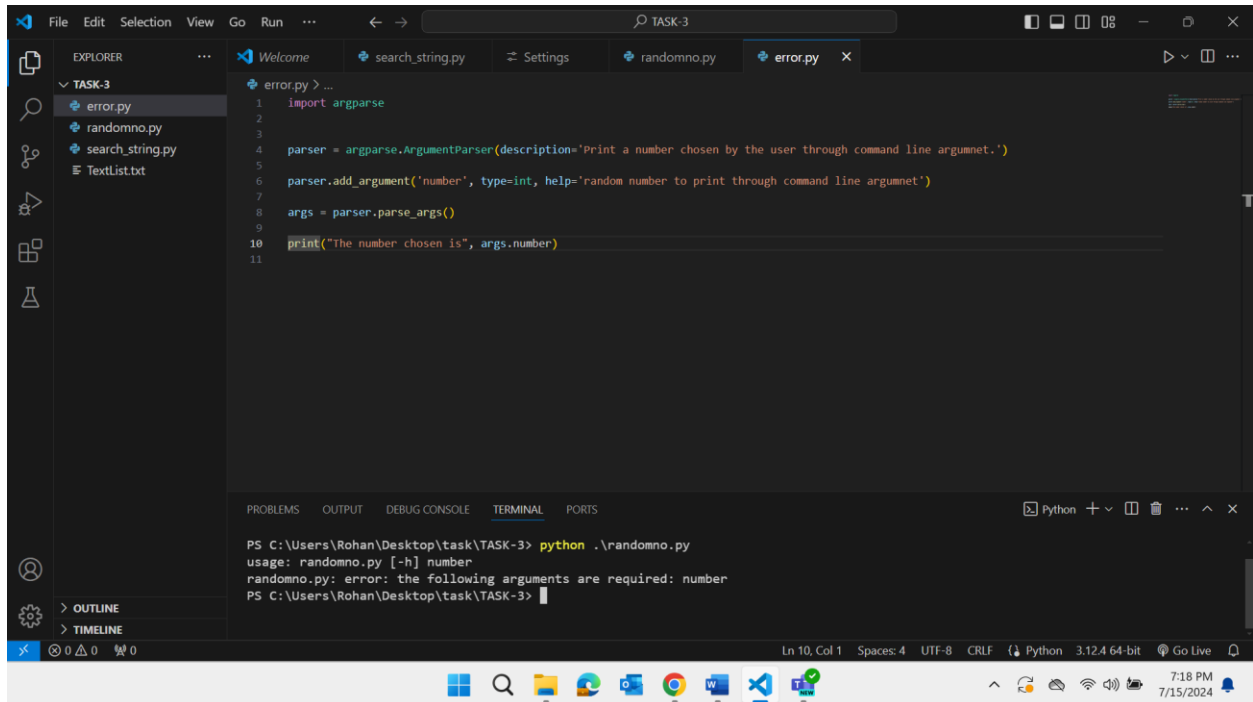


The screenshot shows the Visual Studio Code interface with a file explorer on the left containing 'TASK-3', 'randomno.py', 'search_string.py', and 'TextList.txt'. The main editor displays 'randomno.py' with the following code:

```
1 import argparse
2
3
4 parser = argparse.ArgumentParser(description='Print a number chosen by the user through command line argumnet.')
5
6 parser.add_argument('number', type=int, help='random number to print through command line argumnet')
7
8 args = parser.parse_args()
9
10 print("The number chosen is", args.number)
11
```

The terminal at the bottom shows the command `python .\randomno.py 40` and its output: `The number chosen is 40`.

3. with output



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing 'TASK-3', 'error.py', 'randomno.py', 'search_string.py', and 'TextList.txt'. The main editor displays 'error.py' with the following code:

```
1 import argparse
2
3
4 parser = argparse.ArgumentParser(description='Print a number chosen by the user through command line argumnet.')
5
6 parser.add_argument('number', type=int, help='random number to print through command line argumnet')
7
8 args = parser.parse_args()
9
10 print("The number chosen is", args.number)
11
```

The terminal at the bottom shows the command `python .\randomno.py` and its output:

```
usage: randomno.py [-h] number
randomno.py: error: the following arguments are required: number
PS C:\Users\Rohan\Desktop\task\TASK-3>
```