Assignment-1

Q1.OUTPUT

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> gcc q1.c
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> ./a.exe
Input stack: 34 3 31 98 92 23
Sorted stack: 3 23 31 34 92 98
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1>
```

Q2.OUTPUT

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> gcc q2.c
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> ./a.exe
Input string: hello3569world12478
Sorted string: wroolllhed987654321
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1>
```

Q3.OUTPUT

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> gcc q3.c
q3.c: In function 'main':
q3.c:75:5: error: expected declaration or statement at end of input
    return 0;
    ^~~~~~
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> gcc q3.c
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> ./a.exe
Original Stack: 5 4 3 2 1
Reversed Stack: 1 2 3 4 5
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1>
```

Q4.OUTPUT

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> gcc q4.c
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> ./a.exe
Stack elements before sorting:
-3 14 18 -5 30
Stack elements after sorting:
30 18 14 -3 -5
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1>
```

Q5.OUTPUT

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> gcc q5.c
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> ./a.exe
1 2 3 4
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1>
```

Q6.OUTPUT

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> gcc q6.c
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1> ./a.exe
2 4 1 3
PS F:\MCA\SEM 2\DS\MA019_RUSHIT\ASSSIGNMENT-1>
```