

Programming Fundamentals

Lab – 9

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BS. Software Eng. - 01B

Q1 – Concatenate String.

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

- Apples-MacBook-Pro:Lab-09 apple\$ gcc -o output Q1.c && ./output
Enter the first string: hello
Enter the second string: kesaho
Enter the number of characters to append from the source string: 4
final string: hellokesa
- Apples-MacBook-Pro:Lab-09 apple\$ █

Q2 – Search Word in Array.

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

- Apples-MacBook-Pro:Lab-09 apple\$ gcc -o output Q2.c && ./output
Enter a word to search: apple
Found
- Apples-MacBook-Pro:Lab-09 apple\$ gcc -o output Q2.c && ./output
Enter a word to search: nhimilega
Not Found
- Apples-MacBook-Pro:Lab-09 apple\$ █

Q3 – Palindrome Check.

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

- Apples-MacBook-Pro:Lab-09 apple\$ gcc -o output Q3.c && ./output
madam
hehe
hello
level
radar
Palindrome
Not Palindrome
Not Palindrome
Palindrome
Palindrome
- Apples-MacBook-Pro:Lab-09 apple\$ █

Q4 – Swap Two Integers.

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
● Apples-MacBook-Pro:Lab-09 apple$ gcc -o output Q4.c && ./output
5
10
10 5
○ Apples-MacBook-Pro:Lab-09 apple$ █
```

Q5 – Prime Number Check.

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
17
Prime
○ Apples-MacBook-Pro:Lab-09 apple$ █

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
1
Not Prime
○ Apples-MacBook-Pro:Lab-09 apple$ █
```

Q6 – Arithmetic Operations.

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
12
3
*
36.00
○ Apples-MacBook-Pro:Lab-09 apple$ █
```

Q7 – Reverse String.

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

hello
olleh
○ Apples-MacBook-Pro:Lab-09 apple$
```

Q8 – Replace Vowels.

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

hello
apple
orange
umbrella
indigo

-----
h*ll*
*ttl*
*r*ng*
*mbr*ll*
*nd*g*
○ Apples-MacBook-Pro:Lab-09 apple$
○ Apples-MacBook-Pro:Lab-09 apple$
```

Q9 – Calculate Power.

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

2 5
32
○ Apples-MacBook-Pro:Lab-09 apple$
```

Q10 - Convert String to Uppercase.

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

hello
HELLO
○ Apples-MacBook-Pro:Lab-09 apple$ █
```