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Roll Number: 24k-0826

Section: BCS–1D

Week6 – PF Lab

Teacher: Sir Muhammad Aashir

Screenshots

Question-1

```
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>gcc PF-Lab-W06-Q1.c -o PF-Lab-W06-Q1.exe
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q1.exe
Please enter a non-zero value:
34
The result would mount to: 42
Please enter a non-zero value:
21
The result would mount to: 29
Please enter a non-zero value:
76
The result would mount to: 84
Please enter a non-zero value:
164
The result would mount to: 172
Please enter a non-zero value:
26349
The result would mount to: 26357
Please enter a non-zero value:
0
The loop got terminated because you entered a zero....
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>
```

Question-2

```
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>gcc PF-Lab-W06-Q2.c -o PF-Lab-W06-Q2.exe
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q2.exe
Please enter a value to check if it is a multiple digit number or not: 634
The number is a multiple digit number....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q2.exe
Please enter a value to check if it is a multiple digit number or not: 23
The is not a multiple digit number....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q2.exe
Please enter a value to check if it is a multiple digit number or not: 12649
The number is a multiple digit number....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q2.exe
Please enter a value to check if it is a multiple digit number or not: 6
The is not a multiple digit number....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>
```

Question-3

```
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q3.exe
Please enter a nuumber to check if it is a prime or a composite number:
2
The number is a prime number....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q3.exe
Please enter a nuumber to check if it is a prime or a composite number:
43
The number is a prime number....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q3.exe
Please enter a nuumber to check if it is a prime or a composite number:
33
The number is a composite number....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q3.exe
Please enter a nuumber to check if it is a prime or a composite number:
1
The value entered is niether prime nor composite....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q3.exe
Please enter a nuumber to check if it is a prime or a composite number:
0
The value entered is niether prime nor composite....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q3.exe
Please enter a nuumber to check if it is a prime or a composite number:
178
The number is a composite number....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q3.exe
Please enter a nuumber to check if it is a prime or a composite number:
153
The number is a composite number....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q3.exe
Please enter a nuumber to check if it is a prime or a composite number:
211
The number is a prime number....

C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>
```

Question-4

```
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>gcc PF-Lab-W06-Q4.c -o PF-Lab-W06-Q4.exe
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q4.exe
1, 2, 3, 5, 8, 13,
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>
```

Question-5

```
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>gcc PF-Lab-W06-Q5.c -o PF-Lab-W06-Q5.exe
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q5.exe
65536, 32768, 10922, 2730, 546, 91, 13, 1, 0,
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>
```

Question-6

```
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>gcc PF-Lab-W06-Q6.c -o PF-Lab-W06-Q6.exe
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>PF-Lab-W06-Q6.exe
1, 2, 2, 4, 8, 32, 256, 8192, 2097152,
C:\Users\Muhammad Abu Bakar\FAST'25-Uni\Fall'25-Sem1\PF-Lab Tasks\24k-0826\Week6\C_Source_Files>
```