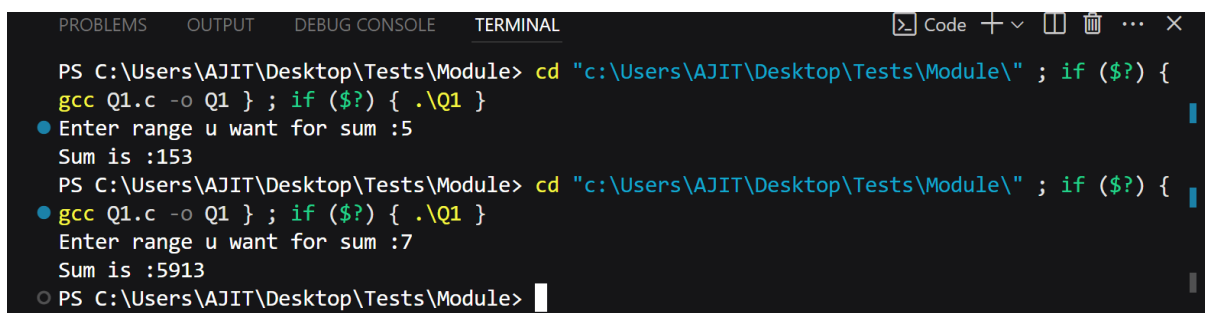


Module test Set-B

Q1

```
#include<stdio.h>
```

```
int main(){  
    int range, sum = 0, fact;  
    printf("Enter range u want for sum :");  
    scanf("%d", &range);  
  
    for(int i=1;i<=range;i++){  
        fact = 1;  
        for(int j =1;j<=i;j++){  
            fact*=j;  
        }  
        sum +=fact;  
    }  
    printf("Sum is :%d", sum);  
}
```



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL  
PS C:\Users\AJIT\Desktop\Tests\Module> cd "c:\Users\AJIT\Desktop\Tests\Module\" ; if ($?) {  
gcc Q1.c -o Q1 } ; if ($?) { .\Q1 }  
● Enter range u want for sum :5  
Sum is :153  
PS C:\Users\AJIT\Desktop\Tests\Module> cd "c:\Users\AJIT\Desktop\Tests\Module\" ; if ($?) {  
● gcc Q1.c -o Q1 } ; if ($?) { .\Q1 }  
Enter range u want for sum :7  
Sum is :5913  
○ PS C:\Users\AJIT\Desktop\Tests\Module>
```

Q2

```
#include<stdio.h>
```

```
#include<string.h>
```

```
int main() {
```

```
    char ch[20];
```

```
    int count=0;
```

```
    printf("Enter word u want: ");
```

```
    scanf("%s",ch);
```

```
    for(int i=0;ch[i]!='\0';i++) {
```

```
        count=1;
```

```
        for(int j=i+1; ch[j]!='\0';j++) {
```

```
            if(ch[i] == ch[j]) {
```

```
                count++;
```

```
                ch[j] = '0';
```

```
            }
```

```
        }
```

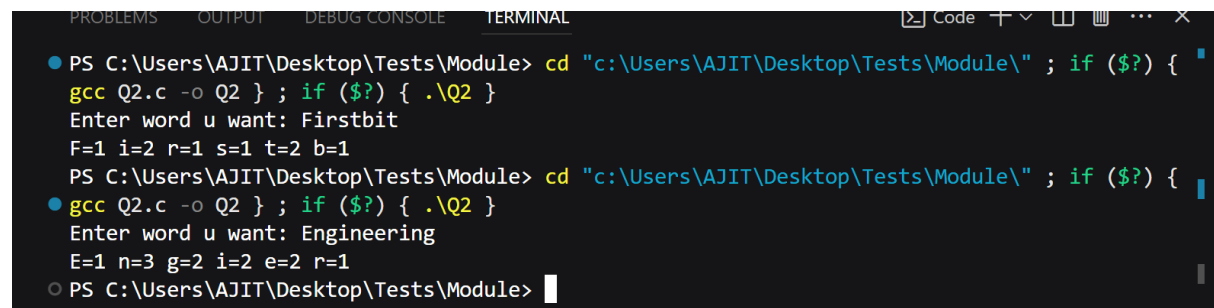
```
        if(ch[i]!='0') {
```

```
            printf("%c = %d ", ch[i], count);
```

```
        }
```

```
    }
```

```
}
```



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
● PS C:\Users\AJIT\Desktop\Tests\Module> cd "c:\Users\AJIT\Desktop\Tests\Module\" ; if ($?) {
gcc Q2.c -o Q2 } ; if ($?) { .\Q2 }
Enter word u want: Firstbit
F=1 i=2 r=1 s=1 t=2 b=1
PS C:\Users\AJIT\Desktop\Tests\Module> cd "c:\Users\AJIT\Desktop\Tests\Module\" ; if ($?) {
● gcc Q2.c -o Q2 } ; if ($?) { .\Q2 }
Enter word u want: Engineering
E=1 n=3 g=2 i=2 e=2 r=1
○ PS C:\Users\AJIT\Desktop\Tests\Module>
```

Q3

```
#include <stdio.h>
```

```
#include <string.h>
```

```
typedef struct Mobile {
```

```
    int mid;
```

```
    char mname[50];
```

```
    int price;
```

```
    char brand[50];
```

```
} Mobile;
```

```
Mobile M1;
```

```
void store() {
```

```
    printf("Enter mobile id: ");
```

```
    scanf("%d",&M1.mid);
```

```
    printf("Enter mobile name: ");
```

```
    scanf("%s",M1.mname);
```

```
    printf("Enter mobile price: ");
```

```
    scanf("%d",&M1.price);
```

```
    printf("Enter mobile brand: ");
```

```
    scanf("%s",M1.brand);
```

```
}
```

```
void display() {
```

```
    printf("\n....Mobile Details....");
```

```
    printf("\nmobile id: %d ", M1.mid);
```

```
    printf("\nmobile name: %s ", M1.mname);
```

```
    printf("\nmobile price: %d ", M1.price);
```

```
    printf("\nmobile brand: %s ", M1.brand);
```

```
}
```

```
int main() {
```

```
int choice;

do {
    printf("\n1. Store mobile details ");
    printf("\n2. display mobile details ");
    printf("\nEnter your choice: ");
    scanf("%d", &choice);

    switch (choice) {
        case 1:
            store();
            break;
        case 2:
            display();
            break;
        default:
            printf("Invalid choice...");
    }
} while (choice!=3);

}
```

1. Store mobile details
2. display mobile details

Enter your choice: 1

Enter mobile id: 101

○ Enter mobile name: Ajit

Enter mobile price: 10000

Enter mobile brand: Samsung

1. Store mobile details
2. display mobile details

Enter your choice: 2

....Mobile Details....

mobile id: 101

mobile name: Ajit

mobile price: 10000

mobile brand: Samsung

```
1. Store mobile details
2. display mobile details
Enter your choice: 1
Enter mobile id: 102
Enter mobile name: Prashant
Enter mobile price: 40000
Enter mobile brand: Apple
```

```
1. Store mobile details
2. display mobile details
Enter your choice: 2
```

```
....Mobile Details....
mobile id: 102
mobile name: Prashant
mobile price: 40000
mobile brand: Apple
1. Store mobile details
```