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ROLL NO. :- 228 , 229

SUBJECT:- BILLING SYSTEM USING C PROGRAMMING

```
#include <stdio.h>
// Define the structure for items
struct Item {
    int id;
    char name[20];
    int price;
    int quantity;
};

// Main function
int main() {
    int n, total = 0;

    // Ask the user for the number of items
    printf("Enter the number of items: ");
    scanf("%d", &n);

    struct Item items[n]; // Declare an array of items

    // Input details for each item
    for (int i = 0; i < n; i++) {
        printf("\nEnter details for item %d:\n", i + 1);
        printf("ID: ");
        scanf("%d", &items[i].id);
        printf("Name: ");
        scanf("%s", items[i].name);
        printf("Price: ");
        scanf("%d", &items[i].price);
        printf("Quantity: ");
        scanf("%d", &items[i].quantity);
    }

    // Display the bill
    printf("\n\n----- Bill ----- \n");
    printf("ID\tName\t\tPrice\tQuantity\tTotal\n");
    printf("----- \n");

    for (int i = 0; i < n; i++) {
        int itemTotal = items[i].price * items[i].quantity;
        printf("%d\t%s\t\t%d\t\t%d\t\t%d\n", items[i].id, items[i].name, items[i].price, items[i].quantity, itemTotal);
        total += itemTotal;
    }

    printf("----- \n");
    printf("Total Amount: %d\n", total);
    printf("----- \n");
    printf("Thank you for shopping!\n");

    return 0;
}
```

OUTPUT:-

```
Enter the number of items: 2
```

```
Enter details for item 1:
```

```
ID: 1
```

```
Name: Apple
```

```
Price: 70
```

```
Quantity: 2
```

```
Enter details for item 2:
```

```
ID: 2
```

```
Name: Milk
```

```
Price: 50
```

```
Quantity: 1
```

```
----- Bill -----
```

```
ID  Name          Price  Quantity  Total
```

```
-----
```

```
1   Apple          70   2         140
```

```
2   Milk           50   1          50
```

```
-----
```

```
----- Bill -----
```

```
ID  Name          Price  Quantity  Total
```

```
-----
```

```
1   Apple          70   2         140
```

```
2   Milk           50   1          50
```

```
-----
```

```
Total Amount: 190
```

```
-----
```

```
Thank you for shopping!
```