

1. Add Item to Bill

```
def add_item():
```

```
    item = input("Enter the Item Name: ")
```

```
    price = int(input("Enter the Price: "))
```

```
    quantity = int(input("Enter the Quantity: "))
```

```
    total = price * quantity
```

```
    print(f"Item: {item}, Quantity: {quantity}, Total: ${total}")
```

```
    return total
```

#2 Courier Charge:

```
def Courier_Charge():
```

```
    number_of_letter=int(input(f"Enter the Number of Letter:"))
```

```
    Charge = 5
```

```
    print("The Number of Letter:",number_of_letter)
```

```
    print(f"The Charge: ",Charge)
```

3. TV Discount

```
def tv_discount():
```

```
    tv_type = input("Enter the TV Type ([B] for B/W or [C] for Color: ").upper()
```

```
if tv_type == 'B':  
    print("Discount: 5%")  
elif tv_type == 'C':  
    size = int(input("Enter the TV Screen Size (14 or 21): "))  
    if size == 14:  
        print("Discount: 8%")  
    elif size == 21:  
        print("Discount: 10%")  
    else:  
        print("No Discount for this Size.")  
else:  
    print("Invalid TV type!")
```

4. Interest Calculation

```
def interest_calc():  
    balance = int(input("Enter the Balance: "))  
    rate = int(input("Enter the Interest Rate: "))  
    interest = balance * rate / 100  
    print("Interest:", interest)
```

5. Increment Number

```
def increment_number():  
    num = int(input("Enter a number: "))  
    num += 1  
    print("The Incremented number:", num)
```

6. Sum of 10 Numbers

```
def sum_of_100():  
    total = 0  
  
    for i in range(10):  
        num = int(input(f"Enter number {i + 1}: "))  
        total += num  
  
    print("Sum of Numbers:", total)
```

7. Average of 10 Students

```
def average_marks():  
    total = 0  
  
    for i in range(10):  
        marks = int(input(f"Enter Marks of Student {i + 1}: "))  
        total += marks  
  
    average = total / 10  
  
    print("Average marks:", average)
```

8. Salary Calculation

```
def salary_calc():  
    num_employee = int(input("Enter the number of employees: "))  
    total_salary = 0  
  
    for i in range(num_employee):  
        salary = int(input(f"Enter the salary for employee {i + 1}: "))  
  
        if salary < 500:  
            salary = 500  
  
        total_salary += salary
```

```
print(f"Total Salary Expenditure: ${total_salary}")
```

9. Even Numbers up to 100

```
def even_upoto_100():  
    print("Even numbers up to 100:")  
    for i in range(2, 101, 2):  
        print(i, end=" ")  
    print()
```

10. Main Function

```
def main():  
    total = 0  
  
    while True:  
        print("\nSmart Utility Billing System:")  
        print("1. Add Item to Bill")  
        print("2. Apply Courier Charge")  
        print("3. TV Discount Check")  
        print("4. Calculate Interest")  
        print("5. Increment a Number")  
        print("6. Sum of 10 Numbers")  
        print("7. Average of 10 Students")  
        print("8. Calculate Salary (min $500)")  
        print("9. Show Even Numbers up to 100")  
        print("0. Exit")
```

```
choice = input("Enter your choice: ")
```

```
if choice == "1":
```

```
    total += add_item()
```

```
elif choice == "2":
```

```
    Courier_Charge()
```

```
elif choice == "3":
```

```
    tv_discount()
```

```
elif choice == "4":
```

```
    interest_calc()
```

```
elif choice == "5":
```

```
    increment_number()
```

```
elif choice == "6":
```

```
    sum_of_100()
```

```
elif choice == "7":
```

```
    average_marks()
```

```
elif choice == "8":
```

```
    salary_calc()
```

```
elif choice == "9":
```

```
    even_upoto_100()
```

```
elif choice == "0":
```

```
    print(f"\nFinal Total: ${total}")
```

```
    break
```

```
else:
```

```
    print("Invalid Option!")
```

```
# Ensure correct main execution
```

```
if __name__ == "__main__":
```

```
    main()
```