TASK 2 (LAB 2):

INPUT

```python
class Toll_Booth:  1 usage  Usman Rasheed Siddiqui
    def __init__(self):  Usman Rasheed Siddiqui
        self.num_car = 0
        self.total_money = 0
        self.defaulters = 0

    def paying_car(self):  1 usage  Usman Rasheed Siddiqui
        self.total_money += 50
        self.num_car += 1

    def no_pay_car(self):  1 usage  Usman Rasheed Siddiqui
        self.num_car += 1
        self.defaulters += 1

    def get_num_car(self):  1 usage  Usman Rasheed Siddiqui
        return self.num_car

    def get_money_collected(self):  1 usage  Usman Rasheed Siddiqui
        return self.total_money

    def get_defaulter(self):  1 usage  Usman Rasheed Siddiqui
        return self.defaulters

    def display(self):  1 usage  Usman Rasheed Siddiqui
        print(f"No. of cars passed: {self.get_num_car()}")
        print(f"Total money collected: {self.get_money_collected()}")
        print(f"No. of defaulters: {self.get_defaulter()}")

tollbooth = Toll_Booth()

while True:
    print("1. Increase No. of paying cars")
    print("2. Increase No. of no paying cars")
    print("3. Display")
    print("4. Exit")

    choice = input("Enter your choice: ")
    if choice == "1":
        tollbooth.paying_car()
    if choice == "2":
        tollbooth.no_pay_car()
    if choice == "3":
        tollbooth.display()
    if choice == "4":
        break
```

OUTPUT

```
1. Increase No. of paying cars
2. Increase No. of no paying cars
3. Display
4. Exit
Enter your choice: 1
1. Increase No. of paying cars
2. Increase No. of no paying cars
3. Display
4. Exit
Enter your choice: 2
1. Increase No. of paying cars
2. Increase No. of no paying cars
3. Display
4. Exit
Enter your choice: 3
No. of cars passed: 2
Total money collected: 50
No. of defaulters: 1
1. Increase No. of paying cars
2. Increase No. of no paying cars
3. Display
4. Exit
Enter your choice: 4

Process finished with exit code 0
```

Dated: 22 January 2025