

# Project: - Parking Management System

```
import java.util.Scanner;
public class PMS {
    public static void main(String[] args){
        int motorcycle = 0;
        int car = 0;
        int bus = 0;
        int rickshaw = 0;
        int count = 0;
        int amount = 0;
        int u_input;
        // menu
        while(true)
        {
            System.out.println("Press 1 for Motor cycle:");
            System.out.println("Press 2 for Rickshaw:");
            System.out.println("Press 3 for Car:");
            System.out.println("Press 4 for Bus:");
            System.out.println("Press 5 to show the record:");
            System.out.println("Press 6 to delete the record:");
            Scanner input = new Scanner(System.in);
            u_input = input.nextInt();
            if(u_input == 1)
            {
                if(count <= 50)
                {
                    motorcycle = motorcycle + 1;
                    amount = amount + 100;
                    count = count + 1;
                }
                else{
                    System.out.println("Parking is Full:");
                }
            }
            if(u_input == 2)
            {
                if(count <= 50)
                {
                    rickshaw = rickshaw + 1;
                    amount = amount + 200;
                    count = count + 1;
                }
            }
        }
    }
}
```

```

        else{
            System.out.println("Parking is Full:");
        }
    }
    if(u_input == 3)
    {
        if(count <= 50)
        {
            car = car + 1;
            amount = amount + 300;
            count = count + 1;
        }
        else{
            System.out.println("Parking is Full:");
        }
    }
    if(u_input == 4)
    {
        if(count <= 50)
        {
            bus = bus + 1;
            amount = amount + 400;
            count = count + 1;
        }
        else{
            System.out.println("Parking is Full:");
        }
    }
    if(u_input == 5)
    {

```

```

System.out.println("*****");

```

```

    System.out.println(" Total amount is: " + amount);
    System.out.println(" Total number of vehicle parked is: " + count);
    System.out.println(" Total number of Motor cycle Parked is: " + motorcycle);
    System.out.println(" Total number of Rickshaw Parked is: " + rickshaw);
    System.out.println(" Total number of Car Parked is: " + car);
    System.out.println(" Total number of Bus Parked is: " + bus);

```

```

System.out.println("*****");

```

```

    }
    if(u_input == 6)
    {
        System.out.println("*****");
    }

```

```

        System.out.println("DELETE RECORD");
        System.out.println("*****");
        amount = 0;
        count = 0;
        motorcycle = 0;
        rickshaw = 0;
        car = 0;
        bus = 0;
    }
    else
    {
        System.out.println("Invalid number:");
    }
}

}
}

```

## OUTPUT : -

Press 1 for Motor cycle:  
 Press 2 for Rickshaw:  
 Press 3 for Car:  
 Press 4 for Bus:  
 Press 5 to show the record:  
 Press 6 to delete the record:  
 1  
 Invalid number:  
 Press 1 for Motor cycle:  
 Press 2 for Rickshaw:  
 Press 3 for Car:  
 Press 4 for Bus:  
 Press 5 to show the record:  
 Press 6 to delete the record:  
 2  
 Invalid number:  
 Press 1 for Motor cycle:  
 Press 2 for Rickshaw:  
 Press 3 for Car:  
 Press 4 for Bus:  
 Press 5 to show the record:  
 Press 6 to delete the record:  
 3

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

4

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

5

\*\*\*\*\*

Total amount is: 1000

Total number of vehicle parked is: 4

Total number of Motor cycle Parked is: 1

Total number of Rickshaw Parked is: 1

Total number of Car Parked is: 1

Total number of Bus Parked is: 1

\*\*\*\*\*

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

1

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

2

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:  
Press 5 to show the record:  
Press 6 to delete the record:

3

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

4

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

5

\*\*\*\*\*

Total amount is: 2000

Total number of vehicle parked is: 8

Total number of Motor cycle Parked is: 2

Total number of Rickshaw Parked is: 2

Total number of Car Parked is: 2

Total number of Bus Parked is: 2

\*\*\*\*\*

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

1

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

2

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

3

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

4

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

5

\*\*\*\*\*

Total amount is: 3000

Total number of vehicle parked is: 12

Total number of Motor cycle Parked is: 3

Total number of Rickshaw Parked is: 3

Total number of Car Parked is: 3

Total number of Bus Parked is: 3

\*\*\*\*\*

Invalid number:

Press 1 for Motor cycle:

Press 2 for Rickshaw:

Press 3 for Car:

Press 4 for Bus:

Press 5 to show the record:

Press 6 to delete the record:

6

\*\*\*\*\*

DELETE RECORD

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Press 1 for Motor cycle:

Press 2 for Rickshaw:  
Press 3 for Car:  
Press 4 for Bus:  
Press 5 to show the record:  
Press 6 to delete the record: