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Link Github : https://github.com/rashif-enigma/ntt_digital_test

Output nya :

Report

i. Membuat Lot parkir

```
OUTPUT  DEBUG CONSOLE  PROBLEMS  TERMINAL  PORTS  POSTMAN CONSOLE

PS D:\ENIGMA-CAMP\ASESMENT FO INDUSTRY\ntt_digital> dotnet run
D:\ENIGMA-CAMP\ASESMENT FO INDUSTRY\ntt_digital\Program.cs(11,37): warn
[D:\ENIGMA-CAMP\ASESMENT FO INDUSTRY\ntt_digital\ntt.csproj]
D:\ENIGMA-CAMP\ASESMENT FO INDUSTRY\ntt_digital\Program.cs(15,32): warn
[D:\ENIGMA-CAMP\ASESMENT FO INDUSTRY\ntt_digital\ntt.csproj]
D:\ENIGMA-CAMP\ASESMENT FO INDUSTRY\ntt_digital\Program.cs(16,35): warn
O INDUSTRY\ntt_digital\ntt.csproj]
create_parking_lot 6
Created a parking lot with 6 slots
park B-1234-XYZ Putih Mobil
Allocated slot number: 1
park B-9999-XYZ Putih Motor
Allocated slot number: 2
park D-0001-HIJ Hitam Mobil
Allocated slot number: 3
park B-7777-DEF Red Mobil
Allocated slot number: 4
park B-2701-XXX Biru Mobil
Allocated slot number: 5
park B-3141-ZZZ Hitam Motor
```

ii. Dibutuhkan laporan jumlah lot yang tersedia.

```
leave 4
Slot number 4 is free
status
Slot  No.      Type      Registration No Colour
1      B-1234-XYZ  Mobil    Putih
2      B-9999-XYZ  Motor    Putih
3      D-0001-HIJ  Mobil    Hitam
5      B-2701-XXX  Mobil    Biru
6      B-3141-ZZZ  Motor    Hitam
█
```

*Input parkir untuk mengisi no 4 dan 1 lagi untuk menunjukan parkir penuh

```
park B-333-SSS Putih Mobil
Allocated slot number: 4
park A-1212-GGG Putih Mobil
Sorry, parking lot is full
█
```

i. Dibutuhkan laporan jumlah kendaraan berdasarkan nomor kendaraan ganjil dan genap.

Ganjil

```
registration_numbers_for_vehicles_with_odd_plate
B-333-SSS,
█
```

Note : dalam output example `registration_numbers_for_vehicles_with_ood_plate` menghasilkan B-9999-XYZ, D-0001-HIJ, B-2701-XXX nyatanya yang ganjil hanya B-333-SSS mobil berwarna putih

Genap

```
registration_numbers_for_vehicles_with_even_plate
B-1234-XYZ, B-9999-XYZ, D-0001-HIJ, B-2701-XXX, B-3141-ZZZ,
█
```

Note : dalam output example `registration_numbers_for_vehicles_with_event_plate` B-1234-XYZ, B-3141-ZZZ yang benar adalah B-1234-XYZ, B-9999-XYZ, D-0001-HIJ, B-2701-XXX, B-3141-ZZZ,

ii. Dibutuhkan laporan jumlah kendaraan berdasarkan jenis kendaraan.

```
type_of_vehicles Motor
2
type_of_vehicles Mobil
4
█
```

iii. Dibutuhkan laporan jumlah kendaraan berdasarkan warna

kendaraan. Putih

```
registration_numbers_for_vehicles_with_colour Putih
B-1234-XYZ, B-9999-XYZ, B-333-SSS,
slot_numbers_for_vehicles_with_colour Putih
1, 2, 4,
```

Hitam

```
registration_numbers_for_vehicles_with_colour Hitam
D-0001-HIJ, B-3141-ZZZ,
slot_numbers_for_vehicles_with_colour Hitam
3, 6,
```

Biru

```
registration_numbers_for_vehicles_with_colour Biru
B-2701-XXX,
slot_numbers_for_vehicles_with_colour Biru
5,
```

*Mencari tempat parkir berdasarkan no plat kendaraan

```
slot_number_for_registration_number B-3141-ZZZ
6
slot_number_for_registration_number Z-1111-AAA
Not found
```

*Exit

```
exit
PS D:\ENIGMA-CAMP\ASESMENT FO INDUSTRY\ntt_digital> █
```

