

C – Programming

Assignment 4

- 1- Define a structure for Car models for a factory, where the structure has the Car ID, Model name, Max speed, battery level and weight.
- 2- Define array of structures from the same type Car, then scan the information from the user for the chosen array in main() -[or in a function]-.

- 3- Write a C function to print information of a chosen structure of the array of structures

Function prototype:

```
void print_info( struct Car info[ ], int index);
```

```
/* define new struct called New_Car with the same info as the previous */
```

- 4- Write a C function to assign information to structure using a function that takes the data you want to assign as parameters and return a struct.

```
struct New_Car assign_data (int id, char name[10], char mx_speed, float battery  
                           ,double Kg)
```

- 5- Write a C function to assign information to structure using a function that takes the pointer to the struct and assign some info to it, assume the data and assign it in the function itself.

```
void assign_data_w_ptr(struct new_car *car_ptr)
```

- 6- How to find out if your PC is big endian or small endian.