PHI-CS-73 TN04CS810

## TASK 2 - Understanding Design Patterns in C

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```
matrix.h
#ifndef MAT
#define MAT
typedef struct _matrix matrix_t;
matrix_t *matrix_create(matrix_t* n_i, matrix_t* n_j); //creating a new matrix
void matrix_del(matrix_t** matrix); //deleting the matrix
#endif
matrix.c
#include<stdio.h>
#include<matrix.h>
typdef struct _matrix{
       int i,j; //rows and columns
       float *value; // data
}matrix_t;
matrix_t *matrix_create(matrix_t* int n_i, matrix_t* int n_j);
{
       struct matrix_t *matrix = malloc(sizeof(matrix))
       matrix->i=n_i;
       matrix->j=n_j;
       matrix->value = malloc( i * j * sizeof(float*));
       return matrix
}
void matrix_del(matrix_t* matrix)
{
       free(matrix->value)
       free(matrix)
```

}