ASSIGNMENT

1. Write a function to accept a 2-D array from the user. Write another function to print the 2-D array. Re-use these functions in rest of the assignments wherever required.

2. Write a function to calculate the sum of elements in the given row. Write another function to calculate the sum of elements in the given column.

3. Write functions to calculate addition, subtraction, multiply two matrices of 3x3.

4. Write a function to accept five names of students from the user (use 2D array). Write another function to print these names.

1. #include<stdio.h>
#define ROW 5
#define COL 8
int main(void)
{
	static char arr[ROW][COL] = {"PRECAT","PG-DAC", "PG-DMC","PG-DBDA","PG-DESD"};
	printf("%c, %c", *(arr[3]+3), *(*(arr+3)+3));
	return 0;
}

A. D, D
B. C, C
C. B, B
D. A, A

Answer: A

2. #include<stdio.h>
#define NO 10
#define LEN 9
int main(void)
{
	char str[NO][LEN]={"PG-DAC","PG-DESD","PG-DMC", "PG-DBDA","PreCat"};
	printf("%d %d %d",sizeof(str),sizeof(str[LEN]) , sizeof(str[NO-1][LEN-1]));
	return 0;
}

A. 90 9 1
B. 45 9 1
C. 90 9 4
D. 90 9 8

Answer: A

3. #include<stdio.h>
#include<stdlib.h>
int main(void)
{
	int *a[3];
	a = (int*) malloc(sizeof(int)*3);
	free(a);
	return 0;
}
A. unable to allocate memory
B. compile time error as incompatible types
C. unable to free memory
D. no error

Answer : B