**ASSIGNMENT-1**

**By**

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**Semester :- 1ST**

**CSE A3**

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**Model Institute of Engineering & Technology (Autonomous)**

(Permanently Affiliated to the University of Jammu, Accredited by NAAC with “A” Grade)

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1.Write a C program to reverse a given array.

#include <stdio.h>

void reverseArray(int arr[], int size)

{

int start = 0;

int end = size - 1;

int temp;

while (start < end){

temp = arr[start];

arr[start] = arr[end];

arr[end] = temp;

start++;

end--;

}

}

int main() {

int arr[] = {1, 2, 3, 4, 5};

int size = sizeof(arr) / sizeof(arr[0]);

printf("Original array: ");

for (int i = 0; i < size; i++) {

printf("%d ", arr[i]);

}

printf("\nReversed array: ");

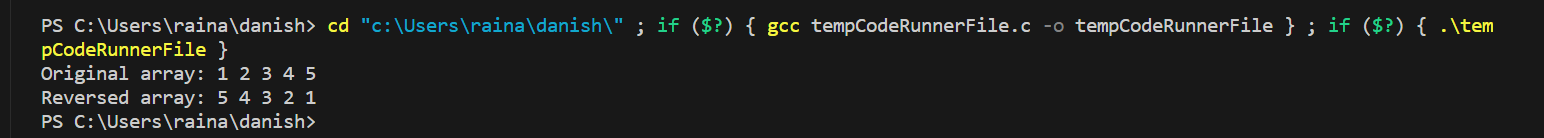
for (int i = 0; i < size; i++) {

printf("%d ", arr[i]);

}

return 0;

output-



2. Write the program for change all the first letter as Caps in sentence. Eg: I am studying in miet Output: I Am Studying In Miet.

#include <stdio.h>

#include <ctype.h>

void capitalizeFirstLetter(char sentence[]) {

int i = 0;

if(sentence[i] >= 'a' && sentence[i] <= 'z') {

sentence[i] = toupper(sentence[i]);

}

while (sentence[i] != '\0') {

if (sentence[i] == ' ' && sentence[i + 1] >= 'a' && sentence[i + 1] <= 'z') {

sentence[i + 1] = toupper(sentence[i + 1]);

}

i++;

}

}

int main() {

char sentence[] = "i am studying in miet";

printf("Original sentence: %s\n", sentence);

capitalizeFirstLetter(sentence);

printf("Capitalized sentence: %s\n", sentence);

    return 0;

}

Output-

