**DAY 2**

**CODE:**

#include<stdio.h>

#include<stdbool.h>

#include<stdlib.h>

bool containsDuplicate(int\* nums, int numsSize){

int i,j;

for(i=0;i<numsSize;i++)

{

for(j=i+1;j<numsSize;j++)

{

if(\*(nums+i)==\*(nums+j))

{

return true;

}

}

}

return false;

}

void main()

{

int \*nums;

int n;

printf("\nEnter the size of the array: ");

scanf("%d",&n);

nums=(int \*)malloc(n\*sizeof(int));

printf("\nEnter the array: ");

for(int i=0;i<n;i++)

{

scanf("%d",(nums+i));

// printf("\n%d",\*(nums+i));

}

printf("\nDuplicates exist in array: ");

if(containsDuplicate(nums,n)==true)

{

printf("True");

}

else

printf("False");

}

**OUTPUT:**



