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**MCA**

**DEPARTMENT**



**FYMCA 2024-25**

**Practical Assignment (Bridge Course)**

**Class**: FY MCA **Subject**: C

**Name of Student** : JOY KUJUR

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**Program Title:** Insert an Element at a Desired or Specific Position in an Array

**Program Code :** **#include<stdio.h>**

**int main(){**

**int arr[5]={0,0,0,0,0};**

**int i;**

**for(i=0;i<5;i++){**

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

**}**

**int r,m;**

**printf(" enter the index where u want to replace :");**

**scanf("%d",&r);**

**printf(" enter the number : ");**

**scanf("%d",&arr[r]);**

**for(i=0;i<5;i++){**

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

**}**

**return 0;**

**}**

**Output:**



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**Program Title:** Remove Duplicate Items in an Array

**Program Code :**

#include <stdio.h>

void removeDuplicates(int arr[], int size) {

int temp[100];

int j = 0;

int i,k;

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

int isDuplicate = 0;

for ( k = 0; k < j; k++) {

if (arr[i] == temp[k]) {

isDuplicate = 1;

break;

}

}

if (!isDuplicate) {

temp[j] = arr[i];

j++;

}

}

for ( i = 0; i < j; i++) {

arr[i] = temp[i];

}

printf("Array after removing duplicates: ");

for ( i = 0; i < j; i++) {

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

}

printf("\n");

}

int main() {

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

int s=sizeof(arr);

int i;

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

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

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

}

printf("\n");

removeDuplicates(arr, size);

return 0;

}

**Output :**

****

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**Program Title:** Delete an Element from an Array at a Desired or Specific Position

**Program Code :**

**#include<stdio.h>**

**int main(){**

**int arr[5]={0,0,0,0,0};**

**int i;**

**for(i=0;i<5;i++){**

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

**}**

**int r,m;**

**printf("\n enter the index to reomve the value :");**

**scanf("%d",&r);**

**int t;**

**arr[r]=t;**

**for(i=0;i<5;i++){**

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

**}**

**return 0;**

**}**

**Output:**

