**Q2**

#include <stdio.h>

int main()

{

int MAX\_SIZE=100,arr[MAX\_SIZE],size,i, j, k;

printf("Enter size of the array : ");

scanf("%d", &size);

printf("Enter elements in array : ");

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

{

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

}

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

{

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

{

if(arr[i] == arr[j])

{

for(k=j; k<size; k++)

{

arr[k] = arr[k + 1];

}

size--;

j--;

}

}

}

printf("\nArray elements after deleting duplicates : ");

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

{

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

}

return 0;

}

**Q3**

#include<stdio.h>

int main()

{

int a[10],n,i;

printf("Enter the number to convert: ");

scanf("%d",&n);

for(i=0;n>0;i++)

{

a[i]=n%2;

n=n/2;

}

printf("\nBinary of Given Number is=");

for(i=i-1;i>=0;i--)

{

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

}

return 0;

}

**Q4**

#include<stdio.h>

int main()

{

char s[1000];

int i,n,c=0;

printf("Enter the string : ");

gets(s);

n=strlen(s);

for(i=0;i<n/2;i++)

{

if(s[i]==s[n-i-1])

c++;

}

if(c==i)

printf("string is palindrome");

else

printf("string is not palindrome");

return 0;

}

**Q5**

#include <stdio.h>

int main() {

char s1[100], s2[100], i;

printf("Enter string s1: ");

fgets(s1, sizeof(s1), stdin);

for (i = 0; s1[i] != '\0'; ++i) {

s2[i] = s1[i];

}

s2[i] = '\0';

printf("String s2: %s", s2);

return 0;

}

**Q1**

#include <stdio.h>

int main()

{

int MAX\_SIZE=100, arr[MAX\_SIZE], size, i, toSearch, found ;

printf("Enter size of array: ");

scanf("%d", &size);

printf("Enter elements in array: ");

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

{

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

}

printf("\nEnter element to search: ");

scanf("%d", &toSearch);

found = 0;

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

{if(arr[i] == toSearch)

{

found = 1;

break;

}

}

if(found == 1)

{

printf("\n%d is found at position %d", toSearch, i + 1);

}

else

{

printf("\n%d is not found in the array", toSearch);

}

return 0;

}