## id:193002138

# section db lab

#### problem 1

#include<stdio.h>

#include<string.h>

void main ()

{

char s[25],r\_s[25];

int i,length=0,flag=0;

printf("Enter a string\n");

gets(s);

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

{

length++;

}

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

{

r\_s[length-i-1];

}

flag=1;

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

{

if(r\_s[i]!=s[i])

flag=0;

}

if(flag==1)

printf("%s is a plindrome\n",s);

else

printf("%s is not a plindrome\n",s);

}

#### problem 02

#include<stdio.h>

int main ()

{

int a[10],n;

int l1,l2,i;

printf("Enter the arry index:\n");

scanf("%d",&n);

printf("Enter elements:\n");

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

{

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

}

l1=a[0];

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

if(a[i]>l1){

l1=a[i];

}

}

l2=a[0];

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

if(a[i]>l2 && a[i]<l1)

l2=a[i];

}

printf("Second largest number is :%d",l2);

return 0;

}

#### problem 3

#include<stdio.h>

int main(void)

{

int number,\*ptr;

scanf("%d",&number);

printf("Address :%d\n value of the number = %d\n",ptr,\*ptr);

return 0;

}

#### problem o4

#include <stdio.h>

void main()

{

int num,res=0;

printf("\nENTER A NUMBER: ");

scanf("%d",&num);

res=find\_prime(num);

if(res==0)

printf("\n%d IS A PRIME NUMBER",num);

else

printf("\n%d IS NOT A PRIME NUMBER",num);

getch();

}

int find\_prime(int n)

{

int i;

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

{

if(n%i!=0)

continue;

else

return 1;

}

return 0;

}

#### problem 5

#include<stdio.h>

struct student{

int id,roll,marks;

}

stud[100];

void main(){

int id,roll,marks;

int i;

printf("Enter the student information like id roll no marks");

for(i=0;i<10;i++)

{

scanf("%d %d %d",&stud[i].id,&stud[i].roll,&stud[i].marks);

}

printf("The information of the students are:");

for(i=0;i<10;i++)

{

printf("ID=%d\t\t ROLL=%d\t\t MARKS=%d\t\t",stud[i].id,stud[i].roll,stud[i].marks);

}

}