Task 2 11/10/2021

//wap with following UDF

1.//void checkPolindrome(int num)

#include<stdio.h>

checkpolindrome(int num)

{

int rem,sum=0,temp;

temp=num;

while(num)

{

rem=num%10;

sum=sum\*10+rem;

num=num/10;

}

if(sum==temp)

{

printf("Yes ! given number is Polindrome.");

}

else

printf("Sorry !given numner is not Polindrome");

}

void main()

{

int n;

printf("Enter a number to check number is polindrome or not:");

scanf("%d",&n);

checkpolindrome(n);

}

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

2.//int checkPolindrome(int num)//return 0 if polindrome and 1 if not polindrom

#include<stdio.h>

int checkpolindrome(n)

{

int rem,sum=0,temp;

temp=n;

while(n)

{

rem=n%10;

sum=sum\*10+rem;

n=n/10;

}

if(sum==temp)

{

return 0;

}

else

return 1;

}

void main()

{

int val,res;

printf("Enter a value to check given number is polindrome or Not: ");

scanf("%d",&val);

res=checkpolindrome(val);

if(res==0)

printf("yes ! given number is polindrome");

else

printf("Sorry ! given number is not polindrome");

}

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

3.//wap to get NCR value of a number by using UDF

//NCR=fact of n /(fact of r \* fact of (n-r))

//int getFact(int num)

#include<stdio.h>

int getFact(n)

{

int f=1,i;

for(i=1;i<=n;i++)

{

f=f\*i;

}

return f;

}

void FindNCR(num,r)

{

int a,b,c;

float res;

a=getFact(num);

b=getFact(r);

c=getFact(num-r);

res=a/(b\*c);

printf("\nNCR value is %.2f",res);

}

void main()

{

int num ,r;

printf("This Program is to find NCR value\n");

printf("Enter a value of n :");

scanf("%d",&num);

printf("Enter a value of R:");

scanf("%d",&r);

printf("Formula is :n!/(r!\*(n-r)!");

FindNCR(num,r);

}

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

4.//wap to get NCR value of a number by using UDF

//NCR=fact of n /(fact of r \* fact of (n-r))

//int getFact(int num)

#include<stdio.h>

int getFact(n)

{

int f=1,i;

for(i=1;i<=n;i++)

{

f=f\*i;

}

return f;

}

int FindNCR(num,r)

{

+int a,b,c;

float res;

a=getFact(num);

b=getFact(r);

c=getFact(num-r);

res=a/(b\*c);

return res;

}

void main()

{

int num ,r;

float ncr;

printf("This Program is to find NCR value\n");

printf("Enter a value of n :");

scanf("%d",&num);

printf("Enter a value of r:");

scanf("%d",&r);

printf("Formula is :n!/(r!\*(n-r)!");

ncr=FindNCR(num,r);

printf("\nNCR value is %.2f",ncr);

}

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

5.//wap to convert rupess to paisa

//void convert()

#include<stdio.h>

void convert()

{

float r;

int p;

printf("Enter rupess value to convert paisa :\n");

scanf("%f",&r);

p=r\*100;

printf("%.2f rupess is = %d paisa",r,p);

}

void main()

{

convert();

}

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

6.//int convert()

#include<stdio.h>

int convert()

{

float r;

int p;

printf("Enter rupess value to convert paisa :\n");

scanf("%f",&r);

p=r\*100;

return p;

}

void main()

{

int paisa;

paisa=convert();

printf("Total paisa = %d",paisa);

}

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

7.//int convert(float rupee)

#include<stdio.h>

int convert(float rupee)

{

int p;

p=rupee\*100;

return p;

}

void main()

{

float rupee;

int paisa;

printf("enter a rupee:");

scanf("%f",&rupee);

paisa=convert(rupee);

printf("Total paisa = %d",paisa);

}

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

8.//void convert(float rupee)

#include<stdio.h>

void convert(float rupee)

{

int p;

p=rupee\*100;

printf("Total paisa = %d",p);

}

void main()

{

float rupee;

printf("enter a rupee:");

scanf("%f",&rupee);

convert(rupee);

}

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

9.// wap to arrange of array in ascending Order.

void arrangeArray(int arr[]) \*/

#include<stdio.h>

void arrangeArray(int arr[])

{

int i,j,temp=0;

for(i=0;i<=9;i++)

{

for(j=i+1;j<=9;j++)

{

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

{

temp=arr[i];

arr[i]=arr[j];

arr[j]=temp;

}

}

}

printf("Ascending Order Array .....\n");

for(i=0;i<=9;i++)

{

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

}

}

void main()

{

int arr[10],i;

printf("Enter a 10 value:");

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

{

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

}

arrangeArray(arr);

}