Practice lab

1>

#include<stdio.h>

void main()

{

printf("Account No.\t\t\tNmae\t\tbalance\n");

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

printf("\n01690356123\t\t\tXYZ\t\t1034.54 \n");

printf("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

}

2>

#include<stdio.h>

void main()

{

int c=0;

while (c!=-1)

{

printf("\n Enter the choice to display pattern (-1 to exit)\n=> ");

scanf("%d",&c);

if (c==1)

{

printf("-----------\n- -\n- -\n-----------\n");

}

if (c==2)

{

printf("\*\*\*\*\*\*\*\*\*\n\* \* \n\* \* \n\*\*\*\*\*\*\*\*\*\n");

}

if (c==3)

{

printf("++++++\n+ +\n+ +\n++++++ \n");

}

if (c==4)

{

printf("======\n| |\n| |\n======");

}

if (c==5)

{

printf(" \\/ \n \\/ \n /\\ \n /\\ ");

}

if (c==6)

{

printf("@ @\n # \n ====\n");

}

if (c==7)

{

printf("%\%\%\%\*%\%\%\% \n%\%\%\%,%\%\%\% \n )/( \n |/|\n (\_)");

}

}

}

3>

#include<stdio.h>

void main()

{

printf("WELCOME TO THE C PROGRAMMING -\_-");

}

4>

#include<stdio.h>

void main()

{

printf("NAME : UTSAV JAIN \nCOURSE : B.TECH IN COMPUTER SCSIENCE ENGINEERING \nYEAR : FIRST YEAR");

}

5>

#include<stdio.h>

void main()

{

int a,b,c,d,e,sum;

a=b=c=d=e=sum=0;

printf("Enter the no => ");

scanf("%d",&a);

printf("Enter the no => ");

scanf("%d",&b);

printf("Enter the no => ");

scanf("%d",&c);

printf("Enter the no => ");

scanf("%d",&d);

printf("Enter the no => ");

scanf("%d",&e);

sum=a+b+c+d+e;

printf("the sum of %d + %d + %d + %d + %d = %d",a,b,c,d,e,sum);

}

6>

#include<stdio.h>

void main()

{

printf("\n Size of int data type is => %d", sizeof(2));

printf("\n Size of char data type is => %d", sizeof(a));

printf("\n Size of float data type is => %d", sizeof(2.0001));

printf("\n Size of double data type is => %d", sizeof(2.01234567));

}

7>

#include<stdio.h>

void main()

{

int hr,min,c,tot;

printf("Enter the choice\n1) to enter in 24 hr format \n2) to enter in 12 hr format \n=>");

scanf("%d",&c);

if (c==1)

{

printf("Enter the hr part of time => ");

scanf("%d",&hr);

if (hr<0 || hr >23)

{

printf("\n invalid input");

exit (0);

}

printf("Enter the min part of time => ");

scanf("%d",&min);

if (min<0 ||min>69)

{

printf("\n invalid input");

exit(0);

}

printf("the time entered is => %d : %d",hr,min);

tot=60\*hr+min;

printf("the time in min is => %d", tot);

}

if (c==2)

{

printf("Enter the hr part of time => ");

scanf("%d",&hr);

if (hr<0||hr>12)

{

printf("Invalid input");

exit (0);

}

printf("Enter the min part of time => ");

scanf("%d",&min);

if (min<0||min>59)

{

printf("invlaid input");

}

printf("the time entered is => %d : %d",hr,min);

tot=60\*hr+min;

printf("the time in min is => %d", tot);

}

}

8>

printf("\n Size of int data type is => %d", sizeof(a));

printf("\n Size of char data type is => %d", sizeof(b));

printf("\n Size of float data type is => %d", sizeof(c));

printf("\n Size of double data type is => %d", sizeof(d));

}

9>

#include<stdio.h>

void main()

{

float f=0,c=0;

int a;

printf("Enter the temp in degree celcius => ");

scanf("%f",&c);

f=((c\*9)/5)+32;

a=f;

printf("\n the temp in integer value => %d",a);

printf("\n the temp in integer value => %6d",a);

printf("\n the temp in integer value => %f",f);

printf("\n the temp in integer value => %6f",f);

printf("\n the temp in integer value => %0.2f",f);

printf("\n the temp in integer value => %6.2f",f);

}

10+11>

#include<stdio.h>

void main()

{

float R=0,vol=0,r=0,vol1=0;

int n;

printf("the radius of the ball is => ");

scanf("%f",&R);

vol=(4/3)\*3.14\*(R\*R\*R);

printf("\n the volume of the Spherical ball of radius %0.2f is => %0.2f ",R,vol);

r=0.25\*R;

vol1=(4/3)\*3.14\*(r\*r\*r);

printf("\n the volume of the Spherical ball of radius %0.2f is => %0.2f ",r,vol1);

n=vol/vol1;

printf("\n No of balls that can be formed are => %d", n);

}

12>

#include<stdio.h>

void main()

{

int n=0,sum=0,num=0,i=0,num1;

printf("Enter the no => ");

scanf("%d", &n);

num1=n;

while (i<5)

{

num=n%10;

if (i==0||i==4)

{

sum=sum+num;

}

n=n/10;

i++;

}

printf("THE SUM OF FIRST AND LAST DIGIT OF %d is %d",num1,sum);

}

13>

#include<stdio.H>

void main()

{

float temp=0;

printf("Enter the Temprature => ");

scanf("%f", &temp);

if (temp<0)

printf("FREEZING WEAHER");

else if (temp>=0 && temp <=10)

printf("VERY COLD WEATHER");

else if (temp>10 && temp <=20)

printf("COLD WEATHER");

else if (temp>20 && temp <=30)

printf("NORMAL IN WEATHER");

else if (temp>30 && temp <=40)

printf("ITS HOT");

else if (temp>40)

printf("VERY HOT");

}

14>

#include<math.h>

#include<stdio.h>

void main()

{

int no=0 ,n=0,i=0,j=0;

printf("Enter the no => ");

scanf("%d", &no);

int num1=no,a1=0,rev=0;

while(no>0)

{

a1=no%10;

rev=(rev\*10)+a1;

no=no/10;

}

while (rev>0)

{

n=rev%10;

rev=rev/10;

if (n==1)

printf(" One");

if (n==0)

printf(" Zero");

if (n==2)

printf(" Two");

if (n==3)

printf(" Three");

if (n==4)

printf(" Four");

if (n==5)

printf(" Five");

if (n==6)

printf(" Six");

if (n==7)

printf(" Seven");

if (n==8)

printf(" Eight");

if (n==9)

printf(" Nine");

}

}