//Assignment 3

/\*A C Program to check whether a given number is positive or non-positive.\*/

#include <stdio.h>

int main()

{

int n;

printf("Please enter an integer number :- ");scanf("%d",&n);

if(n>0){

printf("%d is Positive number \n",n);

}

else if(n>0){

printf("%d is Negative number \n",n);

}

else{

printf("%d is Zero",n);

}

printf("Thank You");

return 0;

}

Text

Description automatically generated

/\*A C Program to check whether a given number is divisible by 5 or not\*/

#include <stdio.h>

int main()

{

int n;

printf("Please enter an integer number :- ");

scanf("%d",&n);

if(n%5==0){

printf("%d is divisible by 5 \n",n);

}

else{

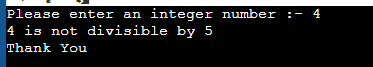
printf("%d is not divisible by 5 \n",n);

}

printf("Thank You");

return 0;

}



/\*A C Program to check either a given number is an even number or an odd number. \*/

#include <stdio.h>

int main()

{

int n;

printf("Please enter an integer number :- ");

scanf("%d",&n);

if(n%2==0){

printf("%d is even \n",n);

}

else{

printf("%d is odd \n",n);

}

printf("Thank You");

return 0;

}

Text

Description automatically generated

/\*A C Program to check whether a given number is a three-digit number or not\*/

#include <stdio.h>

int main()

{

int n,count=0,temp,q;

printf("Please enter an integer number :- ");

scanf("%d",&n);

temp=n;

for(;n>0;){

q=n/10;

n=q;

count++;

}

if(count==3){

printf("yes ! %d is three digit number ",temp);

}else{

printf("NO ! %d is not three digit number ",temp);

}

return 0;

}



/\*A C Program to print greater between two numbers. Print one number of both are the same\*/

#include <stdio.h>

int main()

{

int n1,n2;

printf("Please enter two integer number :- ");

scanf("%d %d",&n1,&n2);

if(n1>n2){

printf("%d is greater than %d",n1,n2);

}

else if(n1=n2){

printf("both are equal");

}

else{

printf("%d is greater than %d",n2,n1);

}

return 0;

}



/\*A C Program to check whether a given year is a leap year or not.\*/

#include <stdio.h>

int main()

{

long year;

printf("Please enter year :- ");

scanf("%ld",&year);

if(year%4==0){

printf("%ld is leap year ",year);

}

else{

printf("%ld is not leap year ",year);

}

return 0;

}



/\*\*A C to find the greatest among three given numbers\*\*/

#include <stdio.h>

int main()

{

int n1,n2,n3;

printf("Please enter a 3 integer numbers :- ");

scanf("%d %d %d",&n1,&n2,&n3);

if(n1>n2){

if(n1>n3){

printf("%d is greatest among three",n1);

}

else{

printf("%d is greatest among three",n2);

}

}

else{

if(n2>n3){

printf("%d is greatest among three",n2);

}

else{

printf("%d is greatest among three",n3);

}

}

return 0;

}



/\*\*A C a program which takes the cost price and selling price of a product from the

user & calculate and print profit or loss percentage.\*\*/

#include <stdio.h>

int main()

{

float cp,sp,cal;

printf("Please enter cost price & selling price respectively :- ");

scanf("%f %f",&cp,&sp);

if(sp>cp){

cal=sp-cp;

printf("Profit = %.4f",cal);

}

else if(sp<cp){

cal=cp-sp;

printf("Loss = %f",cal);

}

else{

printf("there is not Profit or Loss , both are same");

}

return 0;

}



/\*\*A C a program which takes the cost price and selling price of a product from the

user & calculate and print profit or loss percentage.\*\*/

#include <stdio.h>

int main()

{

float cp,sp,cal,per\_cal;

printf("Please enter cost price & selling price respectively :- ");

scanf("%f %f",&cp,&sp);

if(sp>cp){

cal=sp-cp;

per\_cal=cal/cp\*100;

printf("Profit = %.4f \nPercentage Profit = %.2f",cal,per\_cal);

}

else if(sp<cp){

cal=cp-sp;

per\_cal=cal/cp\*100;

printf("Loss = %f \nPercentage loss = %.2f",cal,per\_cal);

}

else{

printf("there is not Profit or Loss , both are same");

}

return 0;

}



/\*\*Question numner 11\*\*/

#include <stdio.h>

int main()

{

float s1,s2,s3,s4,s5,per;

printf("Please enter marks of 5 subjects respectively :- ");

scanf("%f %f %f %f %f",&s1,&s2,&s3,&s4,&s5);

per=(s1+s2+s3+s4+s5)/5.0;

if(per>=33){

printf("candidate passed the examination");

}else{

printf("candidate failed the examination");

}

return 0;

}

Text

Description automatically generated

/\*\*Question numner 11\*\*/

#include <stdio.h>

int main()

{

char ch;;

printf("Please enter any alphabet :- ");

scanf("%c",&ch);

//printf("%c",ch);

if(ch>=97&&ch<=122){

printf("Alphabet %c is in lowercase ",ch);

}else if (ch>=65&&ch<=90){

printf("Alphabet %c is in uppercase",ch);

}else{

printf("You entered wrong character");

}

return 0;

}



/\*A C Program to check whether a given number is divisible by 3 & 2 or not\*/

#include <stdio.h>

int main()

{

int n;

printf("Please enter an integer number :- ");

scanf("%d",&n);

if(n%3==0&&n%2==0){

printf("%d is divisible by 3 & 2 \n",n);

}

else{

printf("%d is not divisible by 3 & 2\n",n);

}

printf("Thank You");

return 0;

}



/\*A C Program to check whether a given number is divisible by 7 or divisible by 3 or not\*/

#include <stdio.h>

int main()

{

int n;

printf("Please enter an integer number :- ");

scanf("%d",&n);

if(n%7==0){

if(n%3==0){

printf("%d is divisible by 7 & 3 \n",n);

}

else{

printf("%d is divisible by 7 \n",n);

}

}

else if(n%3==0){

if(n%7==0){

printf("%d is divisible by 7 & 3 \n",n);

}

else{

printf("%d is divisible by 3 \n",n);

}

}

else{

printf("%d is not divisible by either 3 or 7\n",n);

}

printf("Thank You");

return 0;

}



/\*A C Program to check whether a given number is positive or non-positive.\*/

#include <stdio.h>

int main()

{

int n;

printf("Please enter an integer number :- ");scanf("%d",&n);

if(n>0){

printf("%d is Positive number \n",n);

}

else if(n>0){

printf("%d is Negative number \n",n);

}

else{

printf("%d is Zero",n);

}

printf("Thank You");

return 0;

}

Text

Description automatically generated

/\*\*Question numner 16\*\*/

#include <stdio.h>

int main()

{

char ch;;

printf("Please enter any character :- ");

scanf("%c",&ch);

if(ch>=97&&ch<=122){

printf("Character %c is a lowercase alphabet",ch);

}else if (ch>=65&&ch<=90){

printf("Character %c is a uppercase alphabet",ch);

}else if(ch>=48&&ch<=57){

printf("Character %c is a digit",ch);

}else{

printf("Character %c is a special symbol",ch);

}

return 0;

}



/\*\*Question numner 17\*\*/

#include <stdio.h>

int main()

{

int n;;

printf("Please enter month number :- ");

scanf("%d",&n);

switch (n){

case 1:

case 3:

case 5:

case 7:

case 8:

case 10:

case 12:

printf("Month days are 31");

break;

case 4:

case 6:

case 9:

case 11:

printf("Month days are 30");

break;

case 2:

printf("It's Feb ,might be 28 or 29 days");

break;

default :

printf("You entered wrong month member");

}

return 0;

}

