* Aim – Program to print name and roll number of a student
* Source Code –

#include <conio.h>

#include <stdio.h>

void main()

{

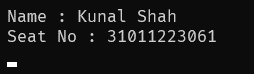
printf("Name : Kunal Shah\n");

printf("Seat No : 31011223061\n");

getch();

}

* Output –



* Aim – Accept 2 float numbers from user and perform addition, subtraction, multiplication and division

of the numbers

* Source Code –

#include <conio.h>

#include <stdio.h>

void main()

{

float a, b;

printf("Enter the first number: ");

scanf("%f", &a);

printf("Enter the second number: ");

scanf("%f", &b);

printf("Addition: %f + %f = %f\n", a, b, a + b);

printf("Subtraction: %f - %f = %f\n", a, b, a - b);

printf("Multiplication: %f \* %f = %f\n", a, b, a \* b);

if (b != 0)

{

printf("Division: %f / %f = %f\n", a, b, a / b);

}

else

{

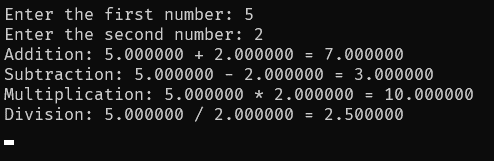
printf("Division by zero is not allowed.\n");

}

getch();

}

* Output –



* Aim – Using ‘\*’ Symbol print ‘A’ in console windows
* Source Code –

#include <conio.h>

#include <stdio.h>

void main()

{

printf(" \* \n");

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

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

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

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

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

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

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

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

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

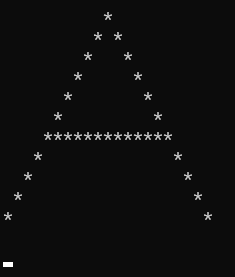
printf("\* \*\n");

printf("\n");

getch();

}

* Output –



* Aim – Take two numbers as variable value from user and swap them using 3 variables
* Source Code –

#include <conio.h>

#include <stdio.h>

void main()

{

int a, b, temp;

printf("Enter the first number: ");

scanf("%d", &a);

printf("Enter the second number: ");

scanf("%d", &b);

printf("Before swapping: a = %d, b = %d\n", a, b);

temp = a;

a = b;

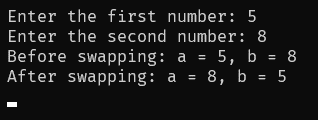
b = temp;

printf("After swapping: a = %d, b = %d\n", a, b);

getch();

}

* Output –



* Aim – Take two numbers as variable value from user and swap them using 2 variables
* Source Code –

#include <conio.h>

#include <stdio.h>

void main()

{ int a, b;

printf("Enter the first number: ");

scanf("%d", &a);

printf("Enter the second number: ");

scanf("%d", &b);

printf("Before swapping: a = %d, b = %d\n", a, b);

a = a + b;

b = a - b;

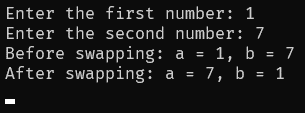
a = a - b;

printf("After swapping: a = %d, b = %d\n", a, b);

getch();

}

* Output –



* Aim – Accept values for length, breadth and side from user and give area for rectangle and square
* Source Code –

#include <conio.h>

#include <stdio.h>

void main()

{

float length, width, side;

printf("Enter the length of the rectangle : ");

scanf("%f", &length);

printf("Enter the width of the rectangle : ");

scanf("%f", &width);

printf("Enter the side of the square : ");

scanf("%f", &side);

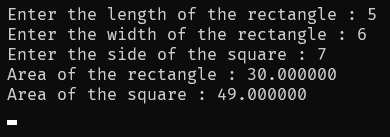
printf("Area of the rectangle : %f\n", length \* width);

printf("Area of the square : %f\n", side \* side);

getch();

}

* Output –



* Aim – Accept values for distance covered and time required by bike from user and display speed of the bike according to input
* Source Code –

#include <conio.h>

#include <stdio.h>

void main()

{

loat distance, time, speed;

printf("Enter the distance traveled by the bike (in km): ");

scanf("%f", &distance);

printf("Enter the time taken by the bike (in hours): ");

scanf("%f", &time);

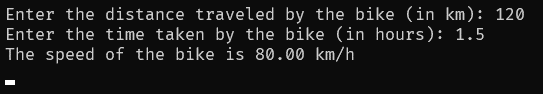
speed = distance / time;

printf("The speed of the bike is %.2f km/h\n", speed);

getch();

}

* Output –



* Aim – Accept number from user and check whether it is divisible 10 or not
* Source Code –

#include <stdio.h>

#include <conio.h>

void main()

{

int u;

printf("Enter a Number = ");

scanf("%d",&u);

if(u%10==0)

{

printf("%d is divisible by 10",u);

}

else

{

printf("%d is not divisible by 10",u);

}

getch();

}

* Output –
* Aim – Accept number from user and check whether it is positive, negative or zero
* Source Code –

#include <stdio.h>

int main()

{

int num;

printf("Enter a number: ");

scanf("%d", &num);

if (num > 0)

printf("%d is positive.", num);

else if (num < 0)

printf("%d is negative.", num);

else

printf("The number is zero.");

return 0;

}

* Output –
* Aim – Write c program to determine profit or loss accept cost price and selling price from user
* Source Code –

#include <stdio.h>

int main()

{

float cost\_price, selling\_price, profit, loss;

printf("Enter the cost price: ");

scanf("%f", &cost\_price);

printf("Enter the selling price: ");

scanf("%f", &selling\_price);

if (selling\_price > cost\_price)

{

profit = selling\_price - cost\_price;

printf("Profit: %.2f", profit);

}

else if (cost\_price > selling\_price)

{

loss = cost\_price - selling\_price;

printf("Loss: %.2f", loss);

}

else

printf("No profit or loss.");

return 0;

}

* Output –
* Aim – Write a Program to find tallest person between to people accept heights for both from user
* Source Code –

#include <stdio.h>

int main()

{

float height1, height2;

printf("Enter the height of the first person: ");

scanf("%f", &height1);

printf("Enter the height of the second person: ");

scanf("%f", &height2);

if (height1 > height2)

printf("The first person is taller.");

else if (height2 > height1)

printf("The second person is taller.");

else

printf("Both people are of equal height.");

return 0;

}

* Output –
* Aim – Accept 3 number from user and find maximum between 3 use nested if
* Source Code –

#include <stdio.h>

int main()

{

int num1, num2, num3, max;

printf("Enter the first number: ");

scanf("%d", &num1);

printf("Enter the second number: ");

scanf("%d", &num2);

printf("Enter the third number: ");

scanf("%d", &num3);

if (num1 > num2)

{

if (num1 > num3)

max = num1;

else

max = num3;

}

else

{

if (num2 > num3)

max = num2;

else

max = num3;

}

printf("The maximum value is %d.", max);

return 0;

}

* Output –
* Aim – Accept age from user and check whether they are eligible for voting or not, if not eligible show years remaining to become eligible. Eligible age is 18
* Source Code –

#include <stdio.h>

int main()

{

int age, years\_remaining;

printf("Enter your age: ");

scanf("%d", &age);

if (age >= 18)

printf("You are eligible to vote.");

else

{

years\_remaining = 18 - age;

printf("You are not eligible to vote. You have %d years remaining until you become eligible.", years\_remaining);

}

return 0;

}

* Output –
* Aim – Accept gender character from user M- Male F-Female if male print hello sir if female print hello madam
* Source Code –

#include <stdio.h>

int main()

{

char gender;

printf("Enter your gender (M/F): ");

scanf("%c", &gender);

(gender == 'M' || gender == 'm') ? printf("Hello, sir!") : (gender == 'F' || gender == 'f') ? printf("Hello, madam!") : printf("Invalid input.");

return 0;

}