Practical Number 01

01. #include <stdio.h>

int main ()

{

printf("Yenuli Pannipitiya\n");

printf("St.Anne’s Girl’s School");

}

02. #include <stdio.h>

int main ()

{

printf("\*\n");

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

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

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

}

04. #include <stdio.h>

int main() {

int number1, number2, sum;

printf("Enter two integers: ");

scanf("%d %d", &number1, &number2);

// calculate the sum

sum = number1 + number2;

printf("%d + %d = %d", number1, number2, sum);

return 0;

}

05. #include <stdio.h>

int main()

{

int num1, num2;

float avg;

printf("Enter first number: ");

scanf("%d",&num1);

printf("Enter second number: ");

scanf("%d",&num2);

avg= (float)(num1+num2)/2;

printf("Average of %d and %d is: %.2f",num1,num2,avg);

}

06.

#include <stdio.h>

int main()

{

char firstname[20], lastname[20];

int bir\_year;

printf("Student name:");

printf("Input your year of birth: ");

scanf("%d", &bir\_year);

printf("%s %s %d\n",student name, bir\_year);

}

07. #include <stdio.h>

int main() {

double a, b;

printf("Enter a: ");

scanf("%lf", &a);

printf("Enter b: ");

scanf("%lf", &b);

// swapping

// a = (initial\_a - initial\_b)

a = a - b;

// b = (initial\_a - initial\_b) + initial\_b = initial\_a

b = a + b;

// a = initial\_a - (initial\_a - initial\_b) = initial\_b

a = b - a;

// %.2lf displays numbers up to 2 decimal places

printf("After swapping, a = %.2lf\n", a);

printf("After swapping, b = %.2lf", b);

}

Practical 02

03. #include <stdio.h>

int main()

{

int x;

float y;

printf("Input total distance in km: ");

scanf("%d",&x);

printf("Input total fuel spent in liters: ");

scanf("%f", &y);

printf("Average consumption (km/lt) %.3f ",x/y);

printf("\n");

}

04. #include <stdio.h>

int main()

{

float celsius, fahrenheit;

/\* Input temperature in fahrenheit \*/

printf("Enter temperature in Fahrenheit: ");

scanf("%f", &fahrenheit);

/\* Fahrenheit to celsius conversion formula \*/

celsius = (fahrenheit - 32) \* 5 / 9;

/\* Print the value of celsius \*/

printf("%.2f Fahrenheit = %.2f Celsius", fahrenheit, celsius);

}