**C# Exercises – 1 – Start Programming**

//Task1\_1.cs

namespace MyPrograms

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("A\nl\nv\ni\nn\n\nW\ni\nj\na\ny\na\n");

}

}

}

//Task1\_2.cs

namespace MyPrograms

{

class Program

{

static void Main(string[] args)

{

Console.Write("Alvin Wijaya\n");

Console.Write("Päivärannantie 1A\n");

Console.Write("0465888002\n");

Console.Write("Queen\n");

}

}

}

//Task1\_3.cs

namespace MyPrograms

{

class Program

{

static void Main(string[] args)

{

Console.Write("savoniarestaurant\b\b\b\b\b");

Console.Write("aaa");

}

}

}

//Task 1\_4.cs

namespace My\_own\_program

{

class Program

{

static void Main(string[] args)

{

Console.Title = "My own program";

Console.WindowWidth = 40;

Console.WindowHeight = 20;

Console.ForegroundColor = ConsoleColor.White;

Console.BufferWidth = 40;

Console.BufferHeight =20;

}

}

}

**C# Exercises – 2 – Variables and Constants**

//Task2\_1.cs

namespace My own programs

{

class Program

{

static void Main(string[] args)

{

string name = "Alvin Wijaya";

int age = 18;

int grade = 5;

char gender = 'M';

Console.WriteLine(name);

Console.WriteLine(age);

Console.WriteLine(grade);

Console.WriteLine(gender);

Console.ReadLine();

}

}

}

//Task2\_2.cs

namespace My\_own\_program

{

class Program

{

static void Main(string[] args)

{

string name = "Alvin Wijaya";

int age = 18;

int grade = 5;

char gender = 'M';

Console.WriteLine("My name is "+ name);

Console.WriteLine("My age is "+ age + " years");

Console.WriteLine("My grade of this course will be " + grade);

Console.WriteLine("My gender is "+ gender);

Console.ReadLine();

}

}

}

//Task2\_3.cs

namespace My\_own\_program

{

class Program

{

private static string int31;

static void Main(string[] args)

{

string car = "Ford";

int speed = 170;

double gas = 7.5;

int price = 15600;

object number = "ABC-123,";

char letter = 'A';

Console.WriteLine("My car manufacturer is "+car+" and its maximum speed is "+speed+" km/hour.");

Console.WriteLine("It is using " + gas + " liters/100 kilometers and its price was " + price + " euros.");

Console.WriteLine("The register number is "+number+" so the first letter os it is "+letter);

Console.ReadLine();

}

}

}

//Task2\_4.cs

namespace My\_own\_program

{

class Program

{

static void Main(string[] args)

{

string car = "Ford";

int speed = 170;

double gas = 7.5;

int price = 15600;

object number = "ABC-123,";

char letter = 'A';

Console.WriteLine("My car manufacturer is {0} and its maximum speed is {1} km/hour.",car,speed);

Console.WriteLine("It is using {0} liters/100 kilometers and its price was {1} euros.",gas,price);

Console.WriteLine("The register number is {0} so the first letter os it is {1}",number,letter);

Console.ReadLine();

}

}

}

//Task2\_5.cs

namespace My\_own\_program

{

class Program

{

static void Main(string[] args)

{

double number = 1.234567;

Console.WriteLine("{0:f1}",number);

Console.WriteLine("{0:f2}", number);

Console.WriteLine("{0:f3}", number);

Console.WriteLine("{0:f4}", number);

Console.WriteLine("{0:f5}", number);

Console.WriteLine("{0:f6}", number);

Console.ReadLine();

}

}

}

//Task2\_6.cs

namespace My own program

{

class Program

{

static void Main(string[] args)

{

string name;

Console.Write("Give your name: ");

name = Console.ReadLine();

}

}

}

//Task2\_7.cs

namespace My\_own\_program

{

class Program

{

static void Main(string[] args)

{

String name;

Console.Write("Give me your name :");

name = Console.ReadLine();

String address;

Console.Write("{0} give me your address :", name);

address=Console.ReadLine();

int postalCode;

Console.Write("Give me your postal code :");

postalCode = int.Parse(Console.ReadLine());

string postOffice;

Console.Write("Give me your post office :");

postOffice = Console.ReadLine();

}

}

}

//Task2\_8.cs

namespace My\_own\_program

{

class Program

{

static void Main(string[] args)

{

String name;

Console.Write("Give me your name :");

name = Console.ReadLine();

int dob;

Console.Write("Give me your date of birth :");

dob = int.Parse(Console.ReadLine());

int age = 2019-dob;

Console.WriteLine("{0}, you have born year {1} and so you are {2} years old", name, dob, age);

}

}

}

//Task2\_9.cs

namespace My\_own\_program

{

class Program

{

static void Main(string[] args)

{

int value;

Console.Write("Give an integer value :");

value = int.Parse(Console.ReadLine());

float valu;

Console.Write("Give a float value :");

valu = float.Parse(Console.ReadLine());

double val;

Console.Write("Give a double value :");

val = double.Parse(Console.ReadLine());

double sum =value+valu+val;

Console.WriteLine("{0}+{1}+{2}={3:f1}", value, valu, val, sum);

}

}

}

//Task2\_10.cs

namespace My\_own\_program

{

class Program

{

static void Main(string[] args)

{

char a;

Console.Write("Give me first character: ");

a = char.Parse (Console.ReadLine());

char b;

Console.Write("Give me first character: ");

b = char.Parse (Console.ReadLine());

Console.Clear();

Console.WriteLine("{0}{1}", a, b);

}

}

}

//Task2\_11.cs

namespace My\_own\_program

{

class Program

{

static void Main(string[] args)

{

char a ;

Console.Write("Give me first character: ");

a = char.Parse(Console.ReadLine());

char b;

Console.Write("Give me first character: ");

b = char.Parse(Console.ReadLine());

Console.ReadLine();

Console.Clear();

Console.WriteLine("Character {0}, ASCII value {1}", a, (byte)a);

Console.WriteLine("Character {0}, ASCII value {1}", b, (byte)b);

}

}

}

//Task2\_12.cs

namespace My\_own\_program

{

class Program

{

static void Main(string[] args)

{

char a ;

Console.Write("Give a character: ");

a = Console.ReadKey(false).KeyChar;

Console.WriteLine();

Console.WriteLine("You gave character: {0}", a);

}

}

}

//Task2\_13.cs

namespace My\_own\_program

{

class Program

{

static void Main(string[] args)

{

char a ;

Console.Write("Give a character: ");

a = Console.ReadKey(true).KeyChar;

Console.WriteLine();

Console.WriteLine("You gave character: {0}", a);

}

}

}