1. Calculate the area and circumference of a circle!
   - enter the radius R
2. Calculate the car consumption. If we need a full tank of X liters in order to travel Y km, what is the consumption per 100 km?
   - enter X and Y
3. Calculate the hypotenuse of a right angled triangle based on its sides.
   - sides a and b are entered
   - calculate hypotenuse c as:

$$c = \sqrt{a^2 + b^2}$$

   - function for calculating square root: sqrt()
   - function for power of a number: pow(number, power)
   - in order to use these functions, include the header file: math.h
4. Calculate the area of a triangle based on its sides:
   - Enter sides ***a***, ***b*** and ***c***
   - Calculate area ***P***

$$Heron's\_formula$$
$$P = \sqrt{(s \cdot (s-a) \cdot (s-b) \cdot (s-c))}$$
$$s = (a+b+c)/2$$

5. Make a currency converter from EUR to RSD.
   - Enter the exchange rate and
   - The amount of EUR to convert.
6. Make a program to convert a 3-digit number (for example 152) into three variables of type char (same as int just takes 1 byte of memory, and since we will store just numbers 0 – 9, it is enough):
   - **s** – for hundreds
   - **d** – for tens
   - **j** – for ones,
   - and display the number of hundreds, tens, and ones (for 152 that is: 1, 5, and 2).
7. Make a program to calculate temperature given in ˚C into˚F:
   - 1˚F is 1˚C * 1.8 + 32.
     Eg: 100˚C is 212˚F
8. Make a program to transfer time given in total seconds, into time given in hours, minutes and seconds.
   Eg: 7322 s = 2h 2m 2s
9. Make a program to transfer length given in cm into equivalent lenght given in feet and inches.
   - 1 inch = 2.54 cm
   - 1 feet = 12 inch

   Eg: 333.3 cm is 10 feet and 11.2 inch