

# Programming Languages 1

## Lesson 1

### Exercises:

1. Start your computer using Windows and log in as student. Start Dev-C++.
2. Start a new project. Select `File` → `New` → `Project...`.  
Click on „Console Application“. Select the radiobutton „C project“.  
Give the name „Hello“ to your project.  
The location of the project has to be `Users/Student/Documents/ProgLang1`  
If the folder does not exist create it.
3. Type the following line above the line `return 0;`:  
`printf("Hello world!");`

(Hint: It may happen if you use HU layout that you can not type `;` using `ALT-GR+, .` To solve this select `Tools` → `Configure shortcuts` and remove the shortcuts from `Edit Comment` and `Edit uncomment` using the `ESC` key.)

4. Save your file. Name it `main.c`.



5. Compile the project.



6. Run the project.



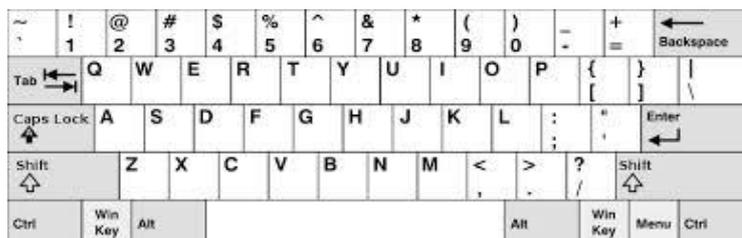
(Hint: Later you can also use the third icon "Compile and run", to fasten your work.)

7. Modify your code, so that it breaks the line after printing the text. (Use `\n` after the text.)
8. Delete the line containing `printf` from your code, or start a new project.
9. Read a number from the keyboard, and print it back.
  - a) Declare a new `int` variable named `a` at the beginning of you code.
  - b) Use `scanf(...)` to read a number from the keyboard.
  - c) Print back the read number using `printf`.

The resulting code should be the following:

```
int main(int argc, char *argv[]){
    int a;
    scanf("%d", &a);
    printf("The number is: %d", a);
    system("PAUSE");
    return 0;
}
```

10. **Homework:** Write a C program that ask the year of your birth year and the actual year, and prints your age.



English keyboard layout