Start your first project
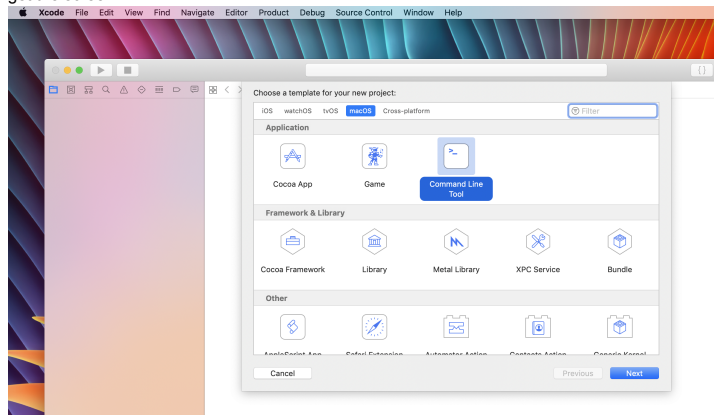
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1 On Windows OS

- Create your first project on Visual Studio (eg. VS 2010)
    - An introduction can be found in link (https://github.com/xliusufe/teaching/blob/master/c/createFirstProject.pdf)

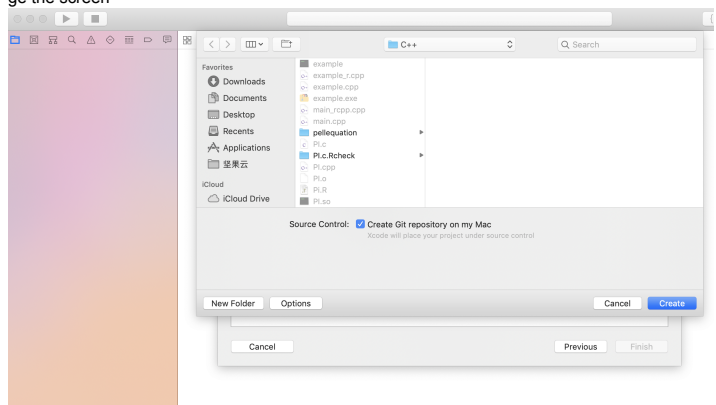## 2 On Mac OS

- Create your first project on Xcode
    - Open Xcode, and then click on "File".
        - get the screen

    - Click on "next"
        - input your first project name, such as "project1"
        - choose "C" on "Language", which is defaut. You can choose "C++" if you want to create a c++ project
        - get the screen

    - Click on "next"
        - choose a path for your project1, such as /Applications/C++/pellequation
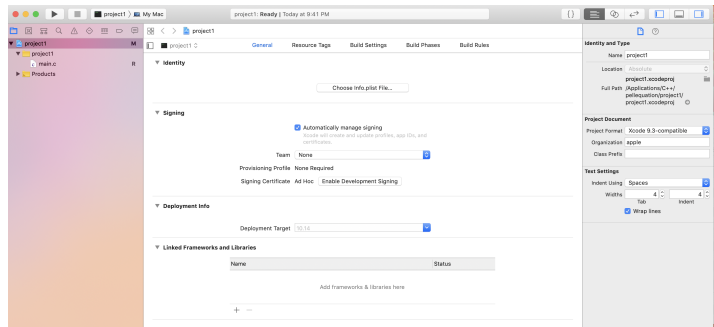   - ge the screen
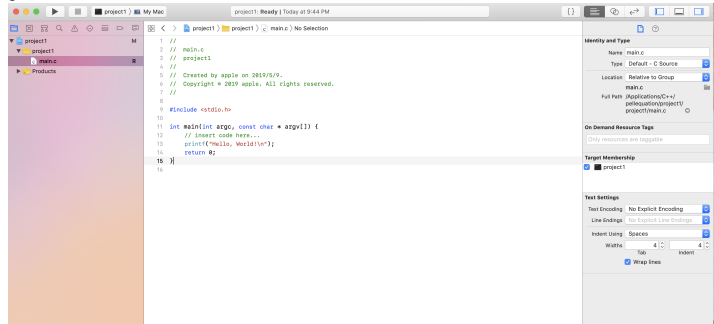
- and the screen

- Click on "main.c" under "project1" on the left
  - get the screen

- Congratulations! you have created your first project named "project1" with "main.c"
  - Start coding

3 main() in .c file

3.1 Examples

- In .c file, such as "main.c", we can code main() as follows
  - Example 1

```
#include<stdio.h>
int main(){
int a,b;
a = 3;
b = 4;
printf("a+b=%d\n",a+b);

fflush(stdin);
getchar();
return 0;
}
```

  - Example 2

```
#include<stdio.h>
int main(int argc, char* argv[]){
int a,b;
a = 3;
b = 4;
printf("a+b=%d\n",a+b);

fflush(stdin);
getchar();
return 0;
}
```

  - Example 3

```
#include<stdio.h>
main(int argc, char* argv[]){
int a,b;
a = 3;
b = 4;
printf("a+b=%d\n",a+b);

fflush(stdin);
getchar();
}
```

  - Example 4

```
#include<stdio.h>
main(){
int a,b;
a = 3;
b = 4;
printf("a+b=%d\n",a+b);

fflush(stdin);
getchar();
}
```

3.2 In the final examination, please use Exmple 1 only

- Some lines can be deleted
  - "#include<stdio.h>" can be deleted if you have no input and output
  - "fflush(stdin);" can be deleted if you have no input, such as "scanf("Input a = %d",&a);
  - "getchar();" can be deleted if you use "Start Without Debugging" under the button "Debug"
- In the final examination, both "fflush(stdin);" and "getchar();" can be ignored
  - Like this

```
#include<stdio.h>
int main(){
int a,b;
a = 3;
b = 4;
printf("a+b=%d\n",a+b);

return 0;
}
```