

# Solution to Example on Slide 18 (1)

- Write a C program that can output the value of PI

```
#include "stdio.h"
void main(void)
{
    printf("The value of PI is: %f\n", 3.14159);
}
```

- Modify the program by changing the Literal Constant 3.14159 to a **Defined Constant**

```
#include "stdio.h"
#define PI 3.14159
void main(void)
{
    printf("The value of PI is: %f\n", PI);
}
```

# Solution to Example on Slide 18 (2)

- Modify the program by changing the Literal Constant 3.14159 to a **Memory Constants**

```
#include "stdio.h"
void main(void)
{
    const float PI = 3.14159;
    printf("The value of PI is: %f\n", PI);
}
```

**You cannot change the value of PI in the program!!**

If you do, for example, by adding **PI=PI-1;**  
the following syntax errors will appear:

