

# My first ROOT interactive session

ROOT is based on CLING, a powerful C/C++ interpreter.

Blocks of lines can be entered within {...}.

Previous typed lines can be recalled.

```
Root > float x=5; float y=7;
```

```
Root > x*sqrt(y)
```

```
(float) 13.2288f
```

```
Root > for (int i=2;i<7;i++) printf("sqrt(%d) = %f ",i,sqrt(i));
```

```
sqrt(2) = 1.414214
```

```
sqrt(3) = 1.732051
```

```
sqrt(4) = 2.000000
```

```
sqrt(5) = 2.236068
```

```
sqrt(6) = 2.449490
```

```
Root > TF1 f1("f1","sin(x)/x",0,10)
```

```
Root > f1.Draw()
```

