PRIM – Micro:bit

4-3 Kompas

Azimut

- Co je to kompas, azimut
- Kalibrace

```python
from microbit import *
compass.calibrate()
while True:
    display.scroll(compass.heading())
    sleep(1000)
```

Světová strana

```python
from microbit import *
compass.calibrate()
while True:
    uhel = compass.heading()
    if (uhel < 46):
        display.show("S")
    elif (uhel < 136):
        display.show("V")
    elif (uhel < 226):
        display.show("J")
    elif (uhel < 316):
        display.show("Z")
    else:
        display.show("S")
    sleep(1000)
```

Práce s hodinovými ručičkami

```python
from microbit import *
for uhel in range(0, 12):
    display.show(Image.ALL_CLOCKS[uhel])
    sleep(1000)
    display.clear()
```

Směr sever

```python
from microbit import *
compass.calibrate()
while True:
    uhel = ((compass.heading()-15) // 30)
    display.show(Image.ALL_CLOCKS[uhel])
```