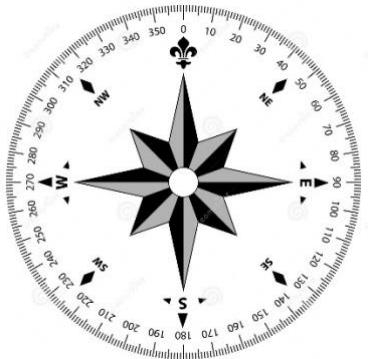


## Extra Question # 06

Specific points on a compass may be expressed in general directions. For example,  $130^\circ$  is in as easterly direction.

Write the function **printDirection** that takes the heading direction in degrees as an input parameter in order to display the cardinal direction according to the following information:



Degrees	Cardinal Direction
45 - 135	East
136 - 225	South
226 - 315	West
316 - 360	North
0 - 45	

Write a C program that takes directions in degrees and displays the direction using the function **printDirection**. The program should reject invalid readings and end execution when a negative compass reading is given.

**Project Name:** EQ6  
**File Name:** EQ6.cpp

Example Run:

```
Compass Reading? 104
EAST
```

```
Compass Reading? 370
INVALID! Enter another compass reading? 242
WEST
```

```
Compass Reading? 20
NORTH
```

```
Compass Reading? 320
NORTH
```

```
Compass Reading? 90
EAST
```

```
Compass Reading? 135
EAST
```

```
Compass Reading? 136
SOUTH
```

```
Compass Reading? -3
```