Metropolitan State University, Saint Paul, Minnesota

ICS 140 Computational Thinking with Programming

Assignment 5

**Roulette Wheel Colors**

On a roulette wheel, the pockets are numbered from 0 to 36. The colors of the pockets are as follows:

* Pocket 0 is green.
* For pockets 1 – 10:
  + Odd numbered pockets are red
  + Even numbered pockets are black
* For pockets 11 – 18:
  + Odd numbered pockets are black
  + Even numbered pockets are red
* For pockets 19 – 28:
  + Odd numbered pockets are red
  + Even numbered pockets are black
* For pockets 29 – 36:
  + Odd numbered pockets are black
  + Even numbered pockets are red

Write a program that asks the user to enter a pocket number and displays whether the pocket is green, red or black. The program should indicate the number is invalid if a number outside the accepted range is given.

It should look something like this when run:

Text

Description automatically generated with medium confidence

Paste the python code below in the Python code section.

**Assignment 5 Python Code**

A screen shot of a computer program

Description automatically generated

Paste test screenshot(s) of the program returning appropriate red, black and green values.

**Screenshot of Program Test**

**A computer screen shot of a program

Description automatically generated**