**I. Adding Two Numbers**

Function Main

Output "Welcome to the program, have a great day"

Declare Integer Num1

Declare Integer Num2

Output "Please enter your variable"

Input Num1

Output "Please enter your second variable"

Input Num2

Output "The sum is..."

Declare Integer Sum

Assign Sum = Num1+Num2

Output Sum

End

**II. Area of a Circle**

Function Main

Declare Integer r

Declare Integer d

Declare Integer A

Declare String Answer

Input Answer

If Answer=="r"

Input r

Assign A = 3.14\*r^2

Output A

False:

If Answer=="d"

Input d

Assign A = (3.14/4)\*d^2

Output A

False:

Output "end"

End

End

End

**III. Odd or Even**

**a. Flow Chart**

A close up of a map

Description automatically generated

**b. Procedure**

1. Start the flow chart

2. Declare Integer Num

3. Declare integer oddoreven

4. Input Num

5. Process the formula of oddoreven

6. Ask if Num is even

If True

7. Output “The number is even”

If False

7. Output “The number is odd

**c. Pseudocode**

Function Main

Declare Integer Num

Declare Integer oddoreven

Output "Please put the amount to determine if it is odd or even"

Input Num

Assign oddoreven = Num % 2

If Num == 0

Output "The number is even"

False:

Output "The number is odd"

End

End