

1) $i = 5$
while $i < 8$;
 if $i \% 2 == 0$;
 Print ("Even number", i)
 else:
 Print ("Odd number", i)
 $i = i + 1$

\$ add number: 5
\$ even number: 6
\$ odd number: 7

2) $count = 1$
while $count \leq 5$;
 if $count == 3$;
 Print ("count is 3")
 $count = count + 1$

count is 3

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8) counter = 5
while counter > 0:
    if counter % 3 == 0:
        print("Counter is divisible by 3:", counter)
        counter = counter - 1

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Counter is divisible 3: 3

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9) j = 3
while j <= 5:
    if j == 5:
        print("j is", j)
    j = j + 1

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10) m = 1
while m <= 4:
    if m % 2 == 0:
        print(f"{m} is even")
    else:
        print(f"{m} is odd")
    m = m + 1

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1 is odd
 2 is even
 3 is odd
 4 is even

2) $x = 0$
 while $x < 4$:
 $x = x + 1$
 if $x \% 3 == 0$:
 Print ("x is divisible by 3:", x)
 x is divisible by 3: 3

4) $n = 2$
 while $n \leq 4$:
 if $n == 2$:
 Print ("n is two")
 elif $n == 3$:
 Print ("n is three")
 n is two
 n is three
 $n = n + 1$

5) $a = 1$
 while $a < 5$:
 if $a \% 4 == 0$:
 Print ("a is divisible by 4")
 else:
 Print ("a is not divisible by 4")
 $a = a + 1$
 a is not divisible by 4
 a is not divisible by 4
 a is not divisible by 4
 a is divisible by 4

6) $k = 10$
 while $k > 5$:
 if $k \% 2 == 1$:
 Print ("Odd number:", k)
 $k = k - 1$
 Odd number: 9
 Odd number: 7

7) $num = 0$
 while $num < 3$:
 $num = num + 1$
 if $num == 2$:
 Print ("Number is", num)
 Number is 2