

# プログラミング言語 第七回練習問題回答例

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## 練習問題①

# coding: Windows-31J

```
sum = 0
i = 3
loop{
  sum += i*i
  break if i== 7
  i += 1
}
puts( sum )
```

# coding: Windows-31J

```
sum = 0
i = 3
while i <= 7 do
  sum += i*i
  i += 1
end
puts( sum )
```

## 練習問題②

# coding: Windows-31J

```
n=gets.chomp.to_i
seki = 1
i = 1
while i <= n do
  seki *= i
  i += 1
end
puts( seki )
```

## 練習問題③

```
i = 0
while i <= 100 do
  i += 1
  if i % 3 == 0 or i % 10 == 0 then
    next
  end
  print( i , "¥n" )
end
```

## 練習問題④

```
i=1
total = 0
count1 = 0
count2 = 0
count3 = 0
count4 = 0
count5 = 0
count6 = 0

while i != 1000
  x = rand(6)+1
  if x == 1 then
    count1 += 1
  elsif x == 2 then
    count2 += 1
  elsif x == 3 then
    count3 += 1
  elsif x == 4 then
    count4 += 1
  elsif x == 5 then
    count5 += 1
  elsif x == 6 then
    count6 += 1
  end
  i += 1
end
```

## 練習問題④(続き)

```
print( "1の出現回数 ", count1 , "¥n" )
print( "2の出現回数 ", count2 , "¥n" )
print( "3の出現回数 ", count3 , "¥n" )
print( "4の出現回数 ", count4 , "¥n" )
print( "5の出現回数 ", count5 , "¥n" )
print( "6の出現回数 ", count6 , "¥n" )
```

## 練習問題⑤

```
# coding: Windows-31J
print( " n > " )
n = gets.chomp.to_i

while n != 1 do
  print( n , "%n" )
  if n % 2 == 0 then
    n = n / 2
  else
    n = n * 3 + 1
  end
end
print( n , "%n" )
```