

1) Ans)  $i = 0$

while  $i \leq 100$ :

if  $i \% 2 == 0$

print( $i$ )

$i = i + 1$

2) Ans) num = int(input("Enter a number: "))

def sum(n):

if  $n \leq 1$ :

return n

else:

return  $n + \text{sum}(n-1)$

print("The sum is: ", sum(num))

3) Ans)  $\text{start, end} = 4, 20$

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for num in range (start, end+1):
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```
if num % 2 != 0:
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```
    print (num, end = " ")
```

4) Ans)  $\text{num} = \text{int}(\text{input}(\text{"Enter a number: "}))$

```
factorial = 1
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for i in range (1, num+1):
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    factorial = factorial * i
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print ("The factorial of ", num, " is ", factorial)
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5) Ans)  $\text{number} = \text{int}(\text{input}(\text{"Please Enter any Positive Integer: "}))$

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exponent = int(input("Please Enter Exponent Value: "))
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power = 1
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```
for i in range (1, exponent+1):
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    power = power * number
```

```
print ("The result of {0} Power {1} = {2}!".format (number, exponent, power))
```