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| filter  The filter is useful for taking **data and removing** any information that you don’t need  The filter function **returns a sequence** from those **elements for which returns True** |

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| #Even and Odd number using lambda  number = lambda x : True if x % 2 == 0 else False  even = number(4) #which are divisible by 2  print(even)  odd = number(5) #which are not divisible by 2  print(odd)  Output  True  False |

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| #Even using lambda function and filter() with function  def d1(x):  return x % 2 == 0 lst = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, 1, 2, 3] result = filter(lambda x: x % 2 == 0, lst) print(list(result)) # [0, 2, 4, 6, 8, 0, 2]  Output  [0, 2, 4, 6, 8, 0, 2] |