**CSF 2113 Lab 4.1 Functions**

1. **Using Functions in python**
2. Write a Python function which print a triangle of # with lines 1 to 6.



|  |
| --- |
| for i in range (1,7):  print("#"\*i)  #  ##  ###  ####  #####  ###### |

1. What Write a Python function which print a triangle of # with lines from **1 to given number**.

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| --- | --- |
| def tringle(end):  for i in range(1,end):  print("#"\*i)  tringle(4)  #  ##  ### | def tringle(end):  for i in range(1,end):  print("#"\*i)  tringle(5)  #  ##  ###  #### |

1. Write a Python function which print a triangle of # with lines **from given number** to **given number**.

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|  |  |
| --- | --- |
| def tringle(start,end):  for i in range(start,end):  print("#"\*i)  tringle(2,5)  ##  ###  #### | def tringle(start,end):  for i in range(start,end):  print("#"\*i)  tringle(4,6)  ####  ##### |

1. Write a Python function which print a triangle of **given character** with lines from **given number** to **given number.**

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|  |  |
| --- | --- |
| def patteren(a,b,c):  for i in range(a,b):  print(c\*i)  patteren(3,6, "@")  @@@  @@@@  @@@@@ | def patteren(a,b,c):  for i in range(a,b):  print(c\*i)  patteren(2,6, "+")  ++  +++  ++++  +++++ |

1. **Using Functions in Python**
2. Write the output of the code segment:

|  |  |
| --- | --- |
| Code | Output |
|  | Welcome to Python |
|  | Welcome to Sharjah |
|  | Welcome to Sharjah  Welcome to Python |
|  | Welcome to Sharjah  Welcome to Sharjah |
|  | 4  4 |
|  | DubaiDubai |
|  | 12 |
|  | 6 |
|  | 13 |
|  | 12  5  2.6666666666666665  12  Invalid operator |

**End of Lab**