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# -*- coding: utf-8 -*-
Created on Fri Oct 16 09:07:56 2020
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Reg.no : 2047120
Course : MCS173 - LAB03
MSC.Cs - 1st Year
import
    "*" 40
    "=" 50
     "-" 18
               "\n^*\t\t\t\t\t\t\t
print "\n"
print "*\t\tName : Rajkumar B L\t\t *"
print "*\t\tReg.no : 2047120\t\t\ *"
print "*\t\tCourse : MCS173 - LAB03\t\t *"
#%%
#Execution of Reverse Compliment DNA Function
          "\n\tRunning Function - Reverse Compliment DNA\n" "\n"
print "Case 01:\n\tFunc --> reversecompliment_DNA(\"ATCT\")"
print "\tResult --> "
print "\nCase 02:\n\tFunc --> reversecompliment DNA(\"TGAC\")"
print "\tResult --> "
#%%
#%%
#Execution of Chicking if number is pronic Function
print "Case 01:\n\tFunc --> check_if_pronic(2)"
print "\tResult --> "
print "\nCase 02:\n\tFunc --> check_if_pronic(9)"
print "\tResult --> "
print "\nCase 03:\n\tFunc
                       --> check_if_pronic(72)"
print "\tResult --> "
```

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print "\nCase 04:\n\tFunc --> check_if_pronic(86)"
print "\tResult --> "
#%%
#%%
#Execution of Encoding (String --> Morse Code)
           "\n Running Function - Encode (Str -> Morse Code\n"
print "Case 01:\n\tFunc --> encode(\"Hey this is Raj here. Happy day.\")"
print "\tResult --> "
                            "Hey this is Raj here. Happy day."
print "\nCase 02:\n\tFunc --> encode(\"Hello world\")"
print "\tResult --> "
print "\nCase 03:\n\tFunc
                   --> encode(\"MCS173 - Python Lab03\")"
print "\tResult --> "
                           "MCS173 - Python Lab03"
print "\nCase 04:\n\tFunc --> encode(\"Invalid input --> *&--09**#$\")"
                           "Invalid input --> *&--09**#$"
print "\tResult --> "
"\n"
#%%
#%%
#Execution of Decoding (Morse Code --> String)
print "\tResult --> "
print "\nCase 02:\n\tFunc
                    --> decode(\".... \")"
print "\tResult --> "
print "\nCase 03:\n\tFunc
print "\tResult --> "
print "\nCase 04:\n\tFunc
                    --> decode(\"Invalid input --> *&--09**#$\")"
                           "Invalid input --> *&--09**#$"
print "\tResult --> "
```

#%%