```
#!/usr/bin/env python
# coding: utf-8

# In[2]:


import sys


# In[3]:


   :
       :
           isinstance(sys.argv[3], str):
                 ("error: incorrect number of inputs")
            exit()
           IndexError:
        term = float(sys.argv[1])
           term.is_integer()    False:
                 ("Input error:" + sys.argv[1])
            exit()
       :
        term = int(term)
           ValueError:
             ("Input error: term")
        exit()

       :
        interest = float(sys.argv[2])
           ValueError:
             ("Input error: rate")
        exit()
           IndexError:
             ("error: incorrect number of inputs")
        exit()

       term <= 0:
             ("Input error: term")
        exit()

       ValueError:
         ("Input error: term")
       IndexError:

    #table of Present Value of Annuity Immediate
         ('\t\t\t\t\tPresent Value of Annuity Immediate')
    number_list = []
        i    range(1,10):
        percentage = "{:.0%}".format(i/100)
        number_list.append((percentage))
    format_list = "{:>10}" * (len(number_list) + 1)
         (format_list.format("", *number_list))

        i    range(1,51):
           (i >= 25     i < 30)    (i > 30     i < 40)    (i > 40     i < 50):

        answer_list = []
             ("{:>2}".format(i), end="")
            x    range(1,10):
            interest = x/100
            term = i
            PV = (1-(1/(1+interest))**term)/(interest)
            answer_list.append("{:.4f}".format(PV))
```

```
        format_list = "{:>10}" * (len(answer_list) + 1)
             (format_list.format("", *answer_list))

    #table of Future Value of Annuity Immediate
         ('\n')

         ('\t\t\t\t\tFuture Value of Annuity Immediate')
    number_list = []
        i    range(1,10):
        percentage = "{:.0%}".format(i/100)
        number_list.append((percentage))
    format_list = "{:>10}" * (len(number_list) + 1)
         (format_list.format("", *number_list))

        i    range(1,51):
           (i >= 25     i < 30)    (i > 30     i < 40)    (i > 40     i < 50):

        answer_list = []
             ("{:>2}".format(i), end="")
            x    range(1,10):
            interest = x/100
            term = i
            FV = ((1+interest)**term - 1)/(interest)
            answer_list.append("{:.4f}".format(FV))
        format_list = "{:>10}" * (len(answer_list) + 1)
             (format_list.format("", *answer_list))

    :
         ('\t\t\t  Annuity Immediate')
    column = ["term", "interest", "PV", "FV"]
    format_column = "{:>10}" * (len(column) + 1)
         (format_column.format("", *column))
       :
        PV = (1-(1/(1+interest))**term)/(interest)
        FV = ((1+interest)**term - 1)/(interest)
           ZeroDivisionError:
        PV = float(sys.argv[1])
        FV = float(sys.argv[1])
    answer = [term, interest, "{:.4f}".format(PV), "{:.4f}".format(FV)]
    format_answer = "{:>10}" * (len(column) + 1)
         (format_answer.format("", *answer))



# In[ ]:
```