```
Question 1
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```
def main():
   class CelsiusToFahrenheit(TemperatureConversion):
   class KelvinToCelsius(TemperatureConversion):
        def conversion(self):
Enter the temperature in Celsius: 25
298.15 Kelvin
Enter the temperature in Fahrenheit: 13
Enter the temperature in Kelvin: 15
```

def main():

class TemperatureConversion:
def \_\_init\_\_(self, temp=1):

```
self. temp = temp
class
CelsiusToFahrenheit (TemperatureConver
sion):
def conversion(self):
return (self. temp * 9) / 5 + 32
class
CelsiusToKelvin (TemperatureConversion
def conversion(self):
return self. temp + 273.15
class
FahrenheitToCelsius (TemperatureConver
sion):
def conversion(self):
return (self. temp - 32) * 5 / 9
class
KelvinToCelsius(TemperatureConversion
def conversion(self):
return self. temp - 273.15
tempInCelsius = float(input("Enter
the temperature in Celsius: "))
convert =
CelsiusToKelvin(tempInCelsius)
print(f"{convert.conversion()}
Kelvin")
convert =
CelsiusToFahrenheit(tempInCelsius)
print(f"{convert.conversion()}
Fahrenheit")
tempInFahrenheit = float(input("Enter
the temperature in Fahrenheit: "))
convert =
FahrenheitToCelsius(tempInFahrenheit)
print(f"{convert.conversion()}
Celsius")
tempInKelvin = float(input("Enter the
temperature in Kelvin: "))
convert =
KelvinToCelsius(tempInKelvin)
print(f"{convert.conversion()}
```

```
Celsius")
                                                   main()
                                                       import tkinter as tk
Question 2
                                                       root.title("Special Midterm Exam in 00P")
                                                       root.geometry("300x300")
                                                       button = tk.Button(root, text="Click Me!", command=change_color)
                                                       root.mainloop()

    Ø Special Midterm Exam... − □ ×

                                                                Click Me!
                                                   import tkinter as tk
                                                   def change color ():
                                                        button.config(bg = 'pink')
                                                   root = tk.Tk()
                                                   root.title("Special Midterm Exam in
                                                   OOP")
                                                   root.geometry("300x300")
                                                   button = tk.Button(root, text="Click
                                                   Me!", command=change color)
                                                   button.pack(expand=True)
                                                   root.mainloop()
```

```
Question 3
                                                                                   Enter your fullname: Katarina Nicole R. Dela
                                                                                 Click to display your Fullname Katarina Nicole R. Delavin
                                                          name_label = tk.Label(frame, text="Enter your fullname:", fg ='red')
name_label.grid(rom=0, column=0, sticky='e', padx=10, pady=10)
                                                         output_label = tk.Label(frame, text="")
output_label.grid(ron=1, column=1, padx=10, pady=5)
                                                       import tkinter as tk
                                                       def display name():
                                                           name = name entry.get()
                                                           output label.config(text=name)
                                                       window = tk.Tk()
                                                       window.title("Midterm in OOP")
                                                       window.geometry("500x400")
                                                       frame = tk.Frame(window)
                                                       frame.pack(expand=True)
                                                       name label = tk.Label(frame,
                                                       text="Enter your fullname:", fg
                                                       ='red')
                                                       name label.grid(row=0, column=0,
                                                       sticky='e', padx=10, pady=10)
                                                       name entry = tk.Entry(frame)
                                                       name entry.grid(row=0, column=1,
                                                       padx=10, pady=5)
                                                       display_button = tk.Button(frame,
                                                       text="Click to display your
                                                       Fullname", command=display name, fg
                                                       ='red')
                                                       display button.grid(row=1, column=0,
                                                       padx=10, pady=10)
                                                       output label = tk.Label(frame,
                                                       text="")
                                                       output label.grid(row=1, column=1,
                                                       padx=10, pady=5)
                                                       window.mainloop()
```