

ANVIL WEB APPLICATION CODE

```
from ._anvil_designer import predictionTemplate

from anvil import *

import anvil.server
import anvil.server

class prediction(predictionTemplate):

    def __init__(self, **properties):

        # Set Form properties and Data Bindings.

        self.init_components(**properties)

        # Any code you write here will run when the form opens.

    def prediction_button_click(self, **event_args):

        """This method is called when the button is clicked"""

        if self.year.text and self.month.text and self.day.text \

            and self.hour.text and self.minute.text:

            if 1900<self.year.text and 0<self.month.text<13 and 0<self.day.text<31 \

                and -1<self.hour.text<25 and 0<self.minute.text<61 \

                    and isinstance(self.year.text, int) and isinstance(self.month.text, int) \

                        and isinstance(self.day.text, int) and isinstance(self.hour.text, int) \

                            and isinstance(self.minute.text, int):

                iris_category = anvil.server.call('predict_iris', self.year.text,

                    self.month.text, self.day.text, self.hour.text, self.minute.text)
```

```
if iris_category:

    # Display temperature and humidity

    self.temp.visible, self.humi.visible = True, True

    self.temp.text = "Temperature will be: " + str(iris_category[0]) + " °F"

    self.humi.text = "& Humidity will be: " + str(iris_category[1]) + " %"

else:

    anvil.Notification("Please enter correct data", timeout=2).show()

else:

    anvil.Notification("Please enter some data", timeout=2).show()
```