**WEEK \_2 ML for Finance Task:**

**CODE FOR WEEK 2 Task:**

import pandas as pd

df = pd.read\_csv("adult\_data\_mini.csv")

# Student ID

SID = 2454981

sid\_last\_digit = int(str(SID)[-1])

n = sid\_last\_digit if sid\_last\_digit != 0 else 10

print(f"Value of n: {n}")

# Function to reduce hours-per-week

def reduce\_hours(df, n):

    df = df.copy()

    df["hours-per-week"] = df["hours-per-week"] - n

    return df

# Applying the function

df\_reduced = reduce\_hours(df, n)

# Group by relationship and reduced hours-per-week

grouped = df\_reduced.groupby(["relationship", "hours-per-week"]).size()

# Display the grouped result

print(grouped)

**OUTPUT:**

A screenshot of a computer program

AI-generated content may be incorrect.