Beginner-Friendly Python Codes

# 1.

bill = float(input("Enter amount: "))  
if bill > 1000:  
 discount = bill \* 0.2  
elif bill > 500:  
 discount = bill \* 0.1  
else:  
 discount = 0  
final\_amount = bill - discount  
print(final\_amount)

# 2.

marks = int(input("Enter marks: "))  
if marks >= 90 and marks <= 100:  
 print("Grade A")  
elif marks >= 70:  
 print("Grade B")  
elif marks >= 50:  
 print("Grade C")  
else:  
 print("Fail")

# 3.

age = int(input("Enter age: "))  
if age < 13:  
 print("Child")  
elif age <= 19:  
 print("Teen")  
elif age <= 59:  
 print("Adult")  
else:  
 print("Senior")

# 4.

num = int(input("Enter number: "))  
if num % 2 == 0 and num % 5 == 0:  
 print("Even and divisible by 5")  
elif num % 2 != 0 and num % 5 == 0:  
 print("Odd and divisible by 5")  
elif num % 2 == 0:  
 print("Even and not divisible by 5")  
else:  
 print("Odd and not divisible by 5")

# 5.

username = input("Enter username: ")  
if username in ['john', 'amy', 'sita']:  
 print("Login successful")  
else:  
 print("Access denied")

# 6.

a = int(input("Enter number: "))  
b = int(input("Enter number: "))  
if a > b:  
 print("First is greater")  
elif b > a:  
 print("Second is greater")  
else:  
 print("Equal")

# 7.

age = int(input("Enter age: "))  
if age >= 21:  
 print("Can vote and drive")  
elif age >= 18:  
 print("Can vote")  
else:  
 print("Not eligible")

# 8.

year = int(input("Enter year: "))  
if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):  
 print("Leap year")  
else:  
 print("Not a leap year")

# 9.

username = input("Enter username: ")  
role = input("Enter role: ")  
if username in ['john', 'amy', 'sita'] and role in ['admin', 'manager']:  
 print("Login successful")  
else:  
 print("Login failed")

# 10.

a = int(input("Enter number: "))  
b = int(input("Enter number: "))  
op = input("Enter operator: ")  
if op == '+':  
 print(a + b)  
elif op == '-':  
 print(a - b)  
elif op == '\*':  
 print(a \* b)  
elif op == '/':  
 print(a / b)  
else:  
 print("Invalid")

# 11.

temp = float(input("Enter temp: "))  
if temp > 40:  
 print("Heat Alert")  
elif temp > 30:  
 print("Warm")  
else:  
 print("Normal")

# 12.

pwd = input("Enter password: ")  
if len(pwd) >= 8 and '@' in pwd:  
 print("Strong")  
else:  
 print("Weak")

# 13.

bal = 10000  
amt = int(input("Enter amount: "))  
if amt <= bal and amt % 100 == 0:  
 print("Success")  
else:  
 print("Invalid")

# 14.

num = int(input("Enter number: "))  
if num % 3 == 0 and num % 5 == 0:  
 print("Div by 3 and 5")  
elif num % 3 == 0:  
 print("Div by 3")  
elif num % 5 == 0:  
 print("Div by 5")  
else:  
 print("Not divisible")

# 15.

item = input("Enter product: ")  
if item in ['pen', 'pencil', 'eraser']:  
 print("Available")  
else:  
 print("Not found")

# 16.

a = int(input("Enter side: "))  
b = int(input("Enter side: "))  
c = int(input("Enter side: "))  
if a + b > c and a + c > b and b + c > a:  
 print("Valid")  
else:  
 print("Invalid")

# 17.

a = int(input("Enter number: "))  
b = int(input("Enter number: "))  
c = int(input("Enter number: "))  
if a >= b and a >= c:  
 print(a)  
elif b >= a and b >= c:  
 print(b)  
else:  
 print(c)

# 18.

mark = int(input("Enter mark: "))  
if mark >= 0 and mark <= 100:  
 print("Valid")  
else:  
 print("Invalid")

# 19.

user = input("Enter username: ")  
pwd = input("Enter password: ")  
if user == "admin" and pwd == "1234":  
 print("Login successful")  
else:  
 print("Login failed")

# 20.

unit = int(input("Enter units: "))  
if unit <= 100:  
 bill = unit \* 5  
elif unit <= 200:  
 bill = unit \* 7  
else:  
 bill = unit \* 10  
print(bill)