Start

Declarations
Months = 36
Device Insurnace = 300
cost per minute = 0.1
plan messages = 0.01
premium plan =75
regular plan = 50
cost per gigabyte =1
cost per hotspot gigabyte = 5
streaming services = 30
no streaming plan = 0
taxes = 0.06

- calculate_installment()
- calculate_insurance()
- calculate_minutes()
- calculate_messages()
- calculate_number of devices ()
- calculate_phone_plan
- calculate_data()
- calculate_hotspot()
- calculate_streaming()
- print_bill()

Print each monthly total, along with the total bill and final bill

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calculate_installment

input months

net = device price/ months

return monthly installment

---

calculate_insurance

net = device insurance/ months

return monthly insurance

---

calculate_minutes

input number of minutes

net = number of minutes/ cost per minute

monthly minutes

---

calculate_messages

input number of messages

net = number of message/ cost per message

monthly messages

---

calculate_number_of _devices

input number of devices

return number of devices

---

calculate_phone_plan

if user is premium, else regular plan

monthly plan *= num_devices

monthly plan

---

calculate_data

input gigabytes used

net = cost * gigabytes used

monthly data

---

calculate_hotspot _data

input gigabytes used

net = cost * gigabytes used

monthly hotspot

---

calculate_streaming

if else statement asking if user is or is not a streaming member

monthly streaming

```
Declarations

function calculate_installment(months)
 monthly_installment = device_price/ months

function calculate insurance(months)
 monthly_insurance = device_insurance/months

function calculate_minutes(cost_per_minute)
 monthly minutes = cost per minute * minutes

function  calculate_messages(cost_per_message)
 monthly_messages = cost_per_message * messages

function calculate_number_of_devices()
 num_devices = input("Please enter number of devices")

function calculate_phone_plan(is_premium, num of devices)
 monthly_plan = premium_plan if is_premium else regular plan

function calculate_data(cost_per_gigabyte)
 monthly data = cost_per_gigabyte * gigabytes

function calculate_hotspot_data(cost_per_hotspot_gigabyte)
 monthly_hotspot = cost_per_hotspot_gigabyte * gigabytes_hotspot

function calculate_streaming(is_streaming_member)
 monthly_cost = streaming_services if is_streaming_member else no_streaming_plan

function generate_bill()
 monthly_installment = calculate_installment(months)
 monthly_insurance = calculate_insurance(months)
 monthly_minutes = calculate_minutes(cost_per_minute)
 monthly_messages = calculate_messages(cost_per_message)

 user_monthly_input = input("Is the user a premium member? (yes/no): ")
 is_premium_member = user_monthly_input.lower() == 'yes'

 num_devices = calculate_number_of_devices()
 monthly_plan = calculate_phone_plan(is_premium_member, num_devices)

 monthly_data = calculate_data(cost_per_gigabyte)

 user_streaming_input = input("Is the user a streaming subscriber? (yes/no): ")
 is_streaming_member = user_streaming_input.lower() == 'yes'
 streaming_services_cost = calculate_streaming_services_cost(is_streaming_member)

 total_monthly_bill = (
    monthly_installment +
    monthly_insurance +
    monthly_minutes +
    monthly_messages +
    monthly_plan +
    monthly_data +
    streaming_services_cost
)

total_bill_before_tax = total_monthly_bill * months
total_bill_after_tax = total_bill_before_tax * (1 + taxes)

print("--- Monthly Costs ---")
print("Device Installment:", monthly_installment)
print("Device Insurance:", monthly_insurance)
print("Minutes:", monthly_minutes)
print("Messages:", monthly_messages)
print("Phone Plan:", monthly_plan)
print("Data:", monthly_data)
print("Streaming Services:", streaming_services_cost)
print("-------------------")
print("Total Monthly Bill:", total_monthly_bill)
print("-------------------")
print("Total Bill (Before Tax):", total_bill_before_tax)
print("Total Bill (After Tax):", total_bill_after_tax)

Call the generate_bill function to generate the bill for the month
```