```
MENU = {
    "espresso": {
        "ingredients": {
            "water": 50,
            "coffee": 18,
        },
        "cost": 1.5,
    },
    "latte": {
        "ingredients": {
            "water": 200,
            "milk": 150,
            "coffee": 24,
        },
        "cost": 2.5,
    },
    "cappuccino": {
        "ingredients": {
            "water": 250,
            "milk": 100,
            "coffee": 24,
        },
        "cost": 3.0,
    }
}

profit = 0
resources = {
    "water": 300,
    "milk": 200,
    "coffee": 100,
}

def is_resource_sufficient(order_ingredients):
    """Return True when order can be made, False if ingredient are insufficient"""
    for item in order_ingredients:
        if order_ingredients[item] >= resources[item]:
            print(f"Sorry there is not enough {item}.")
            return False
        else:
            return True

def process_coins():
    print("Please insert your coins.")
    total = int(input("How many quarters?")) * 0.25
    total = int(input("How many dimess?")) * 0.1
    total = int(input("How many nickles?")) * 0.05
    total = int(input("How many pennies?")) * 0.01
    return total
```

```
def is_transaction_successful(money_recieved, drink_cost):
    """Returns True when payement is accepted, of false when money is insufficient"""
    if money_recieved >= drink_cost:
        change = round(money_recieved - drink_cost, 2)
        print(f"Here is ${change} in change. ")
        global profit
        profit += drink_cost
        return True
    else:
        print("Sorry, that's not enough money, Money refunded")
        return False

def make_coffee(drink_name, order_ingredients):
    """Deduct the required ingredients from the resources"""
    for item in order_ingredients:
        resources[item] -= order_ingredients[item]
    print(f"Here is your {drink_name}")


is_on = True
while is_on:
    choice = input("What would you like to have? (espresso/latte/cappuccino):")
    if choice == "off":
        is_on = False
    elif choice == "report":
        print(f"Water : {resources['water']}ml")
        print(f"Milk : {resources['milk']}ml")
        print(f"Coffee : {resources['coffee']}g")
        print(f"Money : ${profit}")
    else:
        drink = MENU[choice]
        is_resource_sufficient(drink["ingredients"])
        payment = process_coins()
    if is_transaction_successful(payment, drink["cost"]):
            make_coffee(choices, drink["ingredients"])
```