```
import re

def validate_phone_number(phone_number):
    # Phone number must be 10 digits.
    return bool(re.match(r'^\d{10}$', phone_number))

def validate_name(name):
    # Name must start with an uppercase letter.
    return bool(re.match(r'^[A-Z][a-zA-Z\s]+$', name))

def validate_email(email):
    # Email format must be abc@abc.com.
    return bool(re.match(r'^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$',
email))

def validate_date(date):
    # Date format must be DD-MM-YYYY.
    return bool(re.match(r'^(0[1-9]|[1-2][0-9]|3[0-1])-(0[1-9]|1[0-2])-\d{4}$',
date))

def output_fn():
    phone_number = input("Enter a 10-digit phone number: ")
    if validate_phone_number(phone_number):
        print("Valid phone number.")
    else:
        print("Invalid phone number.")

    name = input("Enter a name: ")
    if validate_name(name):
        print("Valid name.")
    else:
        print("Invalid name.")

    email = input("Enter an email address: ")
    if validate_email(email):
        print("Valid email address.")
    else:
        print("Invalid email address.")

    date = input("Enter a date (DD-MM-YYYY): ")
    if validate_date(date):
        print("Valid date.")
    else:
        print("Invalid date.")

output_fn()


##########################################################################
######
```

```
class RestaurantCheck:
    def __init__(self, check_number, sales_tax_percent, subtotal, table_number,
server_name):
        self.check_number = check_number
        self.sales_tax_percent = sales_tax_percent
        self.subtotal = subtotal
        self.table_number = table_number
        self.server_name = server_name

    def calculate_total(self):
        sales_tax_amount = self.subtotal * (self.sales_tax_percent / 100)
        total = self.subtotal + sales_tax_amount
        return total

    def print_check(self):
        total = self.calculate_total()
        filename = f"check{self.check_number}.txt"

        with open(filename, 'w') as file:
            file.write(f"Check Number: {self.check_number}\n")
            file.write(f"Sales tax: {self.sales_tax_percent:.1f}%\n")
            file.write(f"Subtotal: ${self.subtotal:.2f}\n")
            file.write(f"Total: ${total:.2f}\n")
            file.write(f"Table Number: {self.table_number}\n")
            file.write(f"Server: {self.server_name}\n")

def oupput_fn():
    check_number = int(input("Enter the check number: "))
    sales_tax_percent = float(input("Enter the sales tax percentage: "))
    subtotal = float(input("Enter the subtotal: "))
    table_number = int(input("Enter the table number: "))
    server_name = input("Enter the server's name: ")

    check = RestaurantCheck(check_number, sales_tax_percent, subtotal,
table_number, server_name)
    check.print_check()

oupput_fn()
```