In [ ]:
```
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 = self.subtotal * (self.sales_tax_percent / 100)
        total = self.subtotal + sales_tax
        return total

    def print_check(self):
        file_name = f"check{self.check_number}.txt"
        with open(file_name, 'w') as file:
            file.write(f"Check Number: {self.check_number}\n")
            file.write(f"Sales tax: {self.sales_tax_percent}%\n")
            file.write(f"Subtotal: ${self.subtotal:.2f}\n")
            file.write(f"Total: ${self.calculate_total():.2f}\n")
            file.write(f"Table Number: {self.table_number}\n")
            file.write(f"Server: {self.server_name}\n")

check = RestaurantCheck(443, 6.0, 23.14, 17, "Sonic the Hedgehog")
check.print_check()
```

In [3]:
```
import re

def details(phone_number, name, email, date):
    if not re.match(r'^\d{10}$', phone_number):
        return False
    if not re.match(r'^[A-Z][a-zA-Z]*$', name):
        return False
    if not re.match(r'^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$', email):
        return False
    if not re.match(r'^(0[1-9]|[1-2][0-9]|3[0-1])-(0[1-9]|1[0-2])-\d{4}$', date):
        return False

    return True
phone_number = "1234567890"
name = "supraja"
email = "suprajareddyanugula@gmail.com"
date = "11-02-2000"

if details(phone_number, name, email, date):
    print("All input is valid.")
else:
    print("Invalid input.")
```

```
Invalid input.
```