TECH TASK OF 12.12.24

```
class Student:
    def __init__(self, student_id, name, grade):
        self.student_id = student_id
        self.name = name
        self.grade = grade
    def validate_details(self):
        if not self.student_id.startswith("STU") or not self.student_id[3:].isdigit():
            return "Invalid student ID format. It should be in the format 'STU1234'."
        if len(self.name) < 2 or not all(char.isalpha() or char.isspace() for char in
self.name):
            return "Invalid name. It must be at least 2 characters long and contain
only alphabets and spaces."
        if not self.grade.endswith("th Grade") or not self.grade[:-8].isdigit() or
int(self.grade[:-8]) not in range(1, 13):
            return "Invalid grade. It should be in the format '<number>th Grade'
(e.g., '1st Grade', '12th Grade')."
        return "Details are valid."

    def display_details(self):
        print(f"Student ID: {self.student_id}")
        print(f"Name: {self.name}")
        print(f"Grade: {self.grade}")

student = Student("STU1234", "Poonguzhali", "6th Grade")
validation_result = student.validate_details()
print(validation_result)
if validation_result == "Details are valid.":
  student.display_details()
```