```
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Practical No.4
CODE:
// SPDX-License-Identifier: MIT pragma solidity
>=0.7.0; contract StudentManagement { struct
Student { uint256 stud_id; // Changed to uint256 for
positive IDs string Name; string Department;
}
Student[] private Students; // Made it private for encapsulation
// Payable constructor to allow Ether transfer constructor()
payable {
// Optional: Initialize state if needed
}
function addStudent(uint256 stud_id, string memory Name, string memory Department)
public {
Student memory stud = Student(stud_id, Name, Department);
Students.push(stud);
} function getStudent(uint256 stud_id) public view returns (string memory, string
memory) { for (uint256 i = 0; i < Students.length; i++) { if (Students[i].stud_id ==
stud_id) {
return (Students[i].Name, Students[i].Department);
}
}
```

```
return ("Name Not Found", "Department Not Found");

}

// Receive function to handle plain Ether transfers receive()

external payable {

// Optional: Handle received Ether, e.g., logging, storing info, etc.

}

// Fallback function fallback()

external payable {

// This can be used for specific handling if necessary

// Example: Adding a default student

Students.push(Student(7, "XYZ", "Mechanical"));

}
```

## **OUTPUT:**

