Write a program in solidity to create Student data. Use the following constructs:

Structures

Arrays

Fallback

Deploy this as smart contract on Ethereum and Observe the transaction fee and Gas values.

//code

pragma solidity ^0.6.0;

contract student\_management {

struct student {

int stud\_id;

string name;

string department;

}

student[] students;

function add\_stud(int stud\_id, string memory name, string memory department ) public {

student memory stud = student(stud\_id , name, department);

students.push(stud);

}

function getStudent(int stud\_id) public view returns(string memory, string memory) {

for(uint i = 0; i<students.length; i++) {

student memory stud = students [i];

if(stud.stud\_id == stud\_id) {

return(stud.name, stud.department);

}

}

return("not found","not found");

}

}

