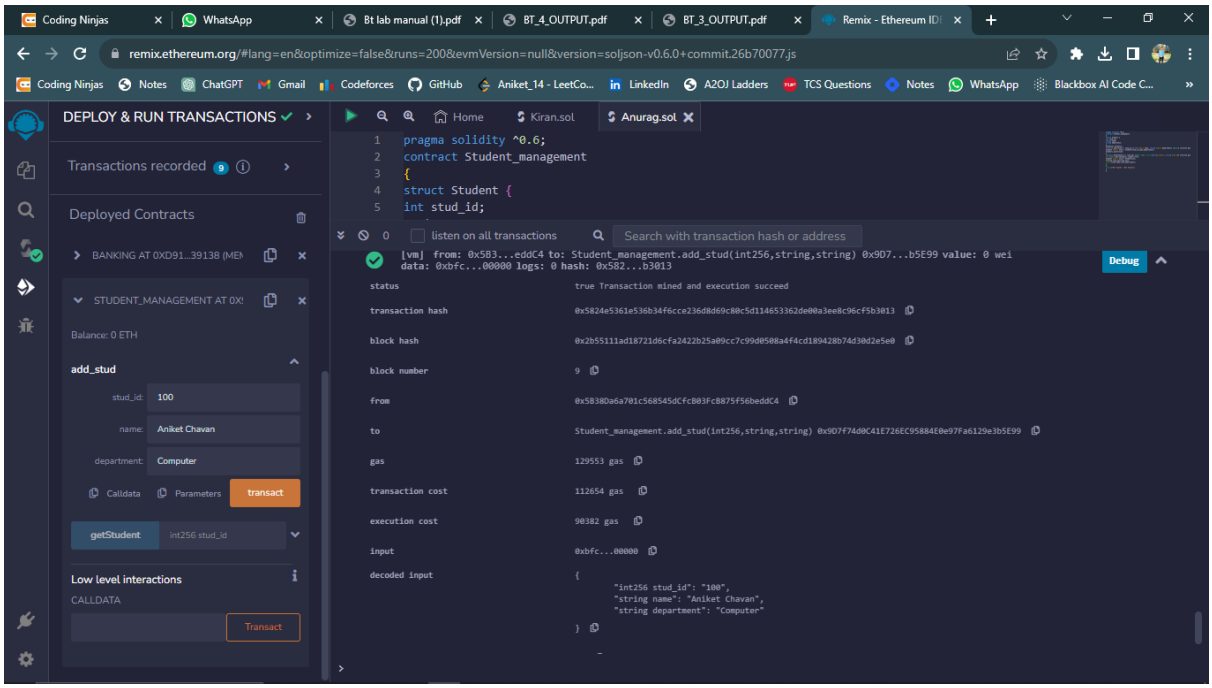
Nam :Vedant

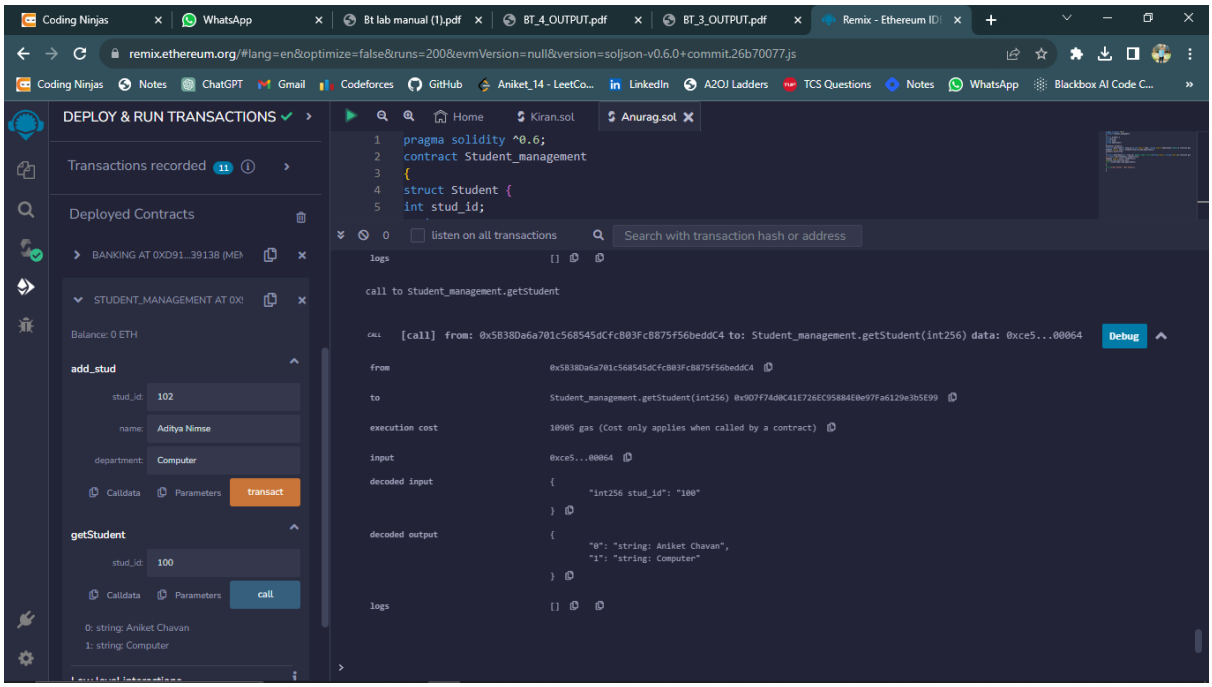
RollNo.: COBB033 **Subject:** BT

INPUT:

```
pragma solidity ^0.6;
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");
}
}
```

OUTPUT:


DEPLOY & RUN TRANSACTIONS
Transactions recorded 9
Deployed Contracts
add_stud
stud_id: 100
name: Aniket Chavan
department: Computer
transact
getStudent
Low level interactions
CALLDATA
Transact
pragma solidity ^0.6;
contract Student_management
{
struct Student {
int stud_id;
status true Transaction mined and execution succeed
transaction hash 0x5824e5361e536b34f6cce236d8d69c80c5d11465362de00a3ee8c96cf5b3013
block hash 0x2b55111ad18721d6cfa2422b25a09cc7c99d0508a4f4cd189428b74d30d2e5e0
block number 9
from 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to Student_management.add_stud(int256,string,string) 0x9D7f74d0C41E726EC95884E0e97Fa6129e3b5E99
gas 129553 gas
transaction cost 112654 gas
execution cost 90382 gas
input 0xbfc...00000
decoded input
"int256 stud_id": "100",
"string name": "Aniket Chavan",
"string department": "Computer"


DEPLOY & RUN TRANSACTIONS
Transactions recorded 11
Deployed Contracts
add_stud
stud_id: 102
name: Aditya Nimse
department: Computer
transact
getStudent
stud_id: 100
call
0: string: Aniket Chavan
1: string: Computer
logs []
call to Student_management.getStudent
[call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 to: Student_management.getStudent(int256) data: 0xce5...00064
from 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to Student_management.getStudent(int256) 0x9D7f74d0C41E726EC95884E0e97Fa6129e3b5E99
execution cost 10905 gas (Cost only applies when called by a contract)
input 0xce5...00064
decoded input
"int256 stud_id": "100"
decoded output
"0": "string: Aniket Chavan",
"1": "string: Computer"
logs []