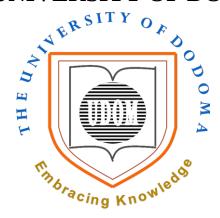
## THE UNIVERSITY OF DODOMA



### **COLLEGE OF INFORMATICS AND VIRTUAL EDUCATION**

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

NO	REGISTRATION NO.	COARSE	SIGNATURE

#### **BRIEFLY**

The following program allows the user to choose programme and appropriate semester,, by the which the program will display the consecutive coarses of the chosen programme.

```
script.sh - Downloads - Code - OSS
File Edit Selection View Go Run Terminal Help
      $ script.sh X
       $ script.sh
        1 #!/bin/bash
            declare -A programme
            declare -A coarses
            programme["1"]="Bachelor of Cyber security and digital forensic Engineering"
            programme["2"]="Bachelor of Computer Engineering"
            programme["3"]=" Bachelor of Software Engineering"
            coarse["1,1"]="\n\t1.CP212 \n\t2.CP215"
        13
            coarse["1,2"]="\n\t1.SAD212 \n\t2.CP213"
        15
            coarse["2,1"]="\n\t1.IA123 \n\t2.CP214"
        16
            coarse["2,2"]="\n\t1.CT121 \n\t2.CP213"
        17
        18
        19
            coarse["3,1"]="\n\t1.ST123 \n\t2.CP209"
        20
        21
            coarse["3,2"]="\n\t1.SAD214 \n\t2.IS232"
             function show_coarses() {
                 local programmes=$1
                 local semester=$2
        26
        27
                echo -e "\n\t The coarses for \"${programme[$programmes]}\" in $semester Semester:"
        28
                 echo -e "${coarse[$programmes,$semester]}"
        29
        30
        31
```

```
File Edit Selection View Go Run Terminal Help
              function choose_semester() {
                  local programmes=$1
                  echo -e "\n\n\t CHOOSE SEMESTER:\n\t1. Semester One\n\t2. Semester Two\n"
                   echo -e -n "\tSemester :: "
                  read semesterChoice
                   case $semesterChoice in
                  1) show_coarses "$programmes" "$semesterChoice" ;;
2) show_coarses "$programmes" "$semesterChoice" ;;
                       echo "Invalid input. Please enter a number between 1 and 2."
        49
50
51
52
53
                       exit 0
                  esac esac
              function show home menu() {
         58
                   echo -e "\n\n\t\t THE AVAIBLE COARSES AND PROGRAMMES:\n\t1. Bachelor of CyberSecuriry and Digital Forensic Engineering\n\t2. Ba
                  echo -e -n "\t Programme::
read programmeChoice
                   if [ -n "$programmeChoice" ]; then
                       case $programmeChoice in
                       1) choose_semester "$programmeChoice" ;;
```

```
$ script.sh ×
 $ script.sh
 55
56
         function show home menu() {
 57
58
               echo -e "\n\n\t\t THE AVAIBLE COARSES AND PROGRAMMES:\n\tl. Bachelor of CyberSecuriry and Digital Forensic Engineering\n\t2. Ba
 59
60
61
               echo -e -n "\t Programme:: '
read programmeChoice
  62
63
               if [ -n "$programmeChoice" ]; then
    # Validate user input
    case $programmeChoice in
 64
65
66
67
68
                    1) choose_semester "$programmeChoice" ;;
2) choose_semester "$programmeChoice" ;;
3) choose_semester "$programmeChoice" ;;
  69
70
71
72
73
74
75
76
77
78
79
                          echo "Invalid input. Please enter a number between 1 and 3."
                          exit 0
                          ;;
                     esac
                    echo "Invalid input. The programme choice cannot be left empty!!"
               fi
 80
81
         show_home_menu
```

### **OUTPUT**

