#function\_1

add\_employee()

{

local local\_name="$1"

local local\_dept="$2"

local local\_mobile\_num=$3

local local\_salary=$4

local local\_file\_name="Employee.txt"

local local\_a\_check=`tail -1 Employee.txt|cut -d "#" -f1`

local local\_c1=`echo "$1"|grep -E "^[A-Za-z]+$"|wc -l`

local local\_c2=`echo "$2"|grep -E "^[A-Z]{3}$"|wc -l`

local local\_c3=`echo $3|grep -E "^[1-9][0-9]{9}$"|wc -l`

local local\_c4=`echo $4|grep -E "^[1-9][0-9]{5}$"|wc -l`

if [ $local\_c1 -gt 0 -a $local\_c2 -gt 0 -a $local\_c3 -gt 0 -a $local\_c4 -gt 0 ]

then

        if [[ $local\_a\_check -lt 1 ]]

        then

                local local\_emp\_num=1001

                echo "$local\_emp\_num#"$1"#"$2"#$3#$4">Employee.txt

                echo "\*\*\*\*\*\*\*Employee added Successfully\*\*\*\*\*\*\*"

                echo "Employee number is $local\_emp\_num"

                return 9

        else

                local local\_emp\_num=`tail -1 Employee.txt|cut -d "#" -f1`

                local local\_n\_emp\_num=`expr $local\_emp\_num \+ 1`

                echo "$local\_n\_emp\_num#"$1"#"$2"#$3#$4">>Employee.txt

                echo "\*\*\*\*\*\*\*Employee added Successfully\*\*\*\*\*\*\*"

                echo "Employee number is $local\_n\_emp\_num"

                return 9

        fi

else

        return 1

fi

}

#function\_2

delete\_employee()

{

local local\_emp\_num=$1

local local\_file\_name="Employee.txt"

local local\_d\_check=`grep -E ^$1 Employee.txt|cut -d "#" -f1|wc -l`

if [[ $local\_d\_check -eq 1 ]]

then

        grep -vE ^$1 Employee.txt>temp.txt

        mv temp.txt Employee.txt

        echo "Employee Deleted Successfully"

        return 12

else

        return 2

fi

}

#function\_3

update\_details()

{

local local\_emp\_num=$1

local local\_name="$2"

local local\_dept=$3

local local\_mobile\_num=$4

local local\_salary=$5

local local\_file\_name="Employee.txt"

local local\_u\_check=`grep -E $1 Employee.txt|cut -d "#" -f1|wc -l`

if [[ $local\_u\_check -gt 0 ]]

then

        local local\_check1=`echo "$2"|grep -E "^[A-Za-z]+$"|wc -l`

        local local\_check2=`echo "$3"|grep -E "^[A-Z]{3}$"|wc -l`

        local local\_check3=`echo $4|grep -E "^[1-9][0-9]{9}$"|wc -l`

        local local\_check4=`echo $5|grep -E "^[1-9][0-9]{5}$"|wc -l`

        if [ $local\_check1 -gt 0 -a $local\_check2 -gt 0 -a $local\_check3 -gt 0 -a $local\_check4 -gt 0 ]

        then

                if [[ `grep -E $1 Employee.txt|cut -d "#" -f1` == "1001" ]]

                then

                        echo "$local\_emp\_num#"$local\_name"#"$local\_dept"#$local\_mobile\_num#$local\_salary">tmp1.txt

                        grep -vE $local\_emp\_num Employee.txt>>tmp1.txt

                        mv tmp1.txt Employee.txt

                        echo "Employee Details Updated Successfully"

                        return 10

                else

                        grep -vE $local\_emp\_num Employee.txt>tmp1.txt

                        echo "$local\_emp\_num#"$local\_name"#"$local\_dept"#$local\_mobile\_num#$local\_salary">>tmp1.txt

                        mv tmp1.txt Employee.txt

                        echo "Employee Details Updated Successfully"

                        return 10

                fi

        else

                return 3

        fi

else

        return 4

fi

}

#function\_4

view\_details()

{

local local\_dept="$1"

local local\_file\_name="Employee.txt"

local local\_v\_check=`echo "$1"|grep -E "^[A-Z]{3}$"|wc -l`

local local\_check5=`grep -E "$1" Employee.txt|wc -l`

local local\_ch=`grep -E "$1" Employee.txt`

if [[ $local\_v\_check -gt 0 ]]

then

        if [[ $local\_check5 -gt 0 ]]

        then

                echo $local\_ch

                return 11

        else

                return 5

        fi

else

        return 5

fi

}

#function\_5

menu()

{

local local\_choice=$1

if [[ $1 -eq 1 ]]

then

        read -p "Enter employee name " local\_name

        read -p "Enter employee dept " local\_dept

        read -p "Enter mobile number " local\_mobile\_num

        read -p "Enter employee salary " local\_salary

        add\_employee "$local\_name" $local\_dept $local\_mobile\_num $local\_salary

elif [[ $1 -eq 2 ]]

then

         read -p "Enter employee number " local\_emp\_num

         delete\_employee $local\_emp\_num

elif [[ $1 -eq 4 ]]

then

         read -p "Enter employee dept " local\_dept

         view\_details $local\_dept

elif [[ $1 -eq 3 ]]

then

        read -p "Enter employee number " local\_emp\_num

        read -p "Enter employee name " local\_name

        read -p "Enter employee dept " local\_dept

        read -p "Enter mobile number " local\_mobile\_num

        read -p "Enter employee salary " local\_salary

        update\_details $local\_emp\_num "$local\_name" $local\_dept $local\_mobile\_num $local\_salary

elif [[ $1 -eq 5 ]]

then

        exit 6

else

        return 7

fi

}

#function\_7

login()

{

local local\_user\_name="$1"

local local\_password="$2"

local local\_file\_name="User.txt"

local local\_check7=`grep -E "$1" User.txt|cut -d "#" -f1|wc -l`

local local\_check8=`grep -E "$2" User.txt|cut -d "#" -f2|wc -l`

if [ $local\_check7 -eq 1 -a $local\_check8 -eq 1 ]

then

        display

else

        return 8

fi

}

#function\_6

display()

{

echo "\*\*\*\*\*\*\*\*\*\*Welcome to Online Employee Management System\*\*\*\*\*\*\*\*\*\*"

echo " 1. Add an Employee"

echo " 2. Delete an Employee"

echo " 3. Update Employee Details"

echo " 4. View Employee"

echo " 5. Exit"

echo "Enter your Option: "

exit

read local\_choice

menu "$local\_choice"

display

}