question 1

1.#!/bin/bash

echo "Enter CustomerID: "

read customer\_id

echo "Enter CustomerName:

read customer\_name

echo "Enter Unit Consumed: " read Units\_consumed

2.#!/bin/bash

read -p "Enter CustomerID: customer\_id

read -p "Enter CustomerName: customer\_name

read -p "Enter Unit Consumed: "units

#calculate the total bill using the if. else statement

if (Sunits -le 199 ]; then

bill=$((units 120))

elif [Sunits -le 399], then

bill=$((199\*120 +(units 199) \*150))

elif [Sunits -le 599]; then

bill=$((199\*120+200\*150 + (units - 399) 180))

else

bill=S((199\*120 +200\*150+200\*180+ (units-599) \*200))

fi

#Display the total bill

echo "Total bill for Scustomer\_name is Sbill ksh"

question 2

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

#include <unistd.h>

#include<fcntl.h>

int main() (

// Open the file with read and write permissions

int fd = open("hello\_world.tx", O\_RDWR | 0\_CREAT, S\_IRUSR | S\_IWUSR)

//write"Hello World" to the file

const char \*message Hello World\n";

write(fd, message, strlen(message));

//Read the content of the file

char buffer[100];

read(fd, buffer, sizeof (buffer)):

//Print the read content

printf("Read content: %s\n", buffer):

//Close the file

close(fd);

return 0;

}

Question 3

#!/bin/bash

#Prompt user to enter employee name, hours worked, and rate per hour

echo "Enter employee name:"

read name

echo "Enter hours worked:"

read hours

echo "Echo rate per hour:"

read rate

#calculate the basic pay basic\_pay=S((hours \* rate))

#calculate tax based on basic pay

if [ Sbasic\_pay -gt 70000]; then tax=S((basic\_pay\*0.25))

elif [Sbasic\_pay-ge 15000] && [Sbasic\_pay -le 70000]; then tax=S((basic\_pay \*0.15))

else

tax=0

fi

#calculate the net pay

net\_pay=S((basic\_pay - tax))

#Display results

echo "Employee Name: Sname"

echo"Basic Pay: Sbasic\_pay"

echo"Tax: Stax"

echo"Net Pay: Snet\_pay"