Question #1

#include <stdio.h>

int main(){

int num;

printf("please enter the number to check whether it’s multiple of 3 or not");

scanf("%d",&num );

if (num%3 == 0){

printf("this number is a multiple of 3");

}

else {

printf("this number is not a multiple of 3");

}

return 0;

}

Question #2

#include<stdio.h>

int main(){

int num1,num2;

char op;

printf("please enter num1, num2, and operator");

scanf("%d%d %c", &num1, &num2, &op);

switch (op)

{

case '+': printf("your ans is %d\n",num1+num2);

break;

case '-': printf("your ans is %dn",num1-num2);

break;

case '\*': printf("your ans is %d\n",num1/num2);

break;

case '/': printf("your ans is %d\n",num1/num2);

break;

default : printf("please enter valid character");

}

return 0;

}

Question #3

#include <stdio.h>

int main(){

char character;

printf("enter a character to check whether if it is a small alphabet, capital alphabet, digit, or a special character ");

scanf("%c",&character);

if(character>='0'&&character<='9'){

printf("%c This character is a digit \n",character);

}

else if(character>='A' && character<='Z'){

printf("%c This character is a capital alphabet \n",character);

}

else if(character>='a' && character<='z'){

printf("%c This character is a small alphabet \n",character);

}

else{

printf("%c This character is a special character \n",character);

}

return 0;

Question #4

#include<stdio.h>

int main(){

float TotalCost;

printf("enter your Total cost of shopping for eid sale \n");

printf("The amount must be > 500 or = 500 \n");

scanf("%f",&TotalCost);

if (TotalCost>=500 && TotalCost<2000){

printf("your Total amount is %.2f \n",TotalCost);

printf("your bill after a discount of 5 percent is %.2f \n",totalCost\*95/100);

}

else if (TotalCost>=2000 && TotalCost<4000){

printf("your total amount is %.2f \n",TotalCost);

printf("your bill after a discount of 5 percent is %.2f \n",TotalCost\*90/100);

}

else if (TotalCost>=4000 && TotalCost<6000){

printf("your total amount is %.2f \n",totalCost);

printf("your bill after a discount of 5 percent is %.2f \n",TotalCost\*80/100);

}

else if (TotalCost>=6000){

printf("your total amount is %.2f \n",TotalCost);

printf("your bill after a discount of 5 percent is %.2f \n",TotalCost\*65/100);

}

else {

printf("please enter a valid number");

}

return 0;

}

Question #5

#include<stdio.h>

#include<string.h>

int main()

{

int id,unit,surcharges;

float totalbill=0;

char name[10];

printf("Enter Your Name: ");

scanf("%s",&name);

printf("Enter Your ID: ");

scanf("%d",&id);

printf("Enter UNITS Comsumed: ");

scanf("%d",&unit);

printf("\nName:%s",name);

printf("\nID:%d",id);

if(unit>0 && unit<200)

{

totalbill=unit\*16.20;

printf("\nCustomer Bill:%.2f",totalbill);

}

else if(unit>200 && unit<300)

{

totalbill=unit\*20.10;

printf("\nCustomer Bill:%.2f",totalbill);

}

else if(unit>300 && unit<500)

{

totalbill=unit\*27.10;

printf("\nCustomer Bill:%.2f",totalbill);

}

else if(unit>500)

{

totalbill=unit\*35.90;

printf("\nCustomer Bill:%.2f",totalbill);

if(totalbill>18000)

{

printf("\nAdditional Surcharges:%.2f",totalbill\*0.15);

totalbill=totalbill+totalbill\*0.15;

}

else{

printf("\nNO Surcharges");

}

}

printf("\nNet Amount Paid by the Customer:%.2f",totalbill);

return 0;

}

Question #6

#include<stdio.h>

int main(){

int num;

printf("enter the number that should be 1<=number<=9\n");

scanf("%d",&num);

switch (num)

{

case 1: printf("one\n");

break;

case 2: printf("two\n");

break;

case 3: printf("three\n");

break;

case 4: printf("four\n");

break;

case 5: printf("five\n");

break;

case 6: printf("six\n");

break;

case 7: printf("seven\n");

break;

case 8: printf("eight\n");

break;

case 9: printf("nine\n");

break;

default: printf("number is greater than 9\n");

break;

}

return 0;

}