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**Exercise 1**

#include<stdio.h>

int main(){

int nu; //variables

printf("Enter your number :- "); //prompt

scanf("%d",&nu); //read an integer

if(nu>=0){

printf("%d",nu); //print positive number

}

else{

nu=nu\*-1; //assign negetiv number to positive

printf("%d",nu); //print positive number

}

return 0;

}

**Exercise 2**

#include<stdio.h>

int main(void){

char ch; //transaction type

float balance,withdrawal,deposit,amount; //variable for stored inputs

printf("Enter your transaction type :- ");

ch=getchar(); //for input transaction type

printf("Enter your balance :- "); //prompt

scanf("%f",&balance); //read a float

if (ch=='w'||ch=='W'){

printf("\nYou have selected to withdraw money\n\n"); //prompt

printf("Enter your amount :- "); //prompt

scanf("%f",&withdrawal); //read a float

balance=balance-withdrawal; //assign balance

printf("balance :- %.2f",balance); //print balance

}

else if (ch=='d'||ch=='D'){

printf("\nYou have selected to deposit money\n\n"); //prompt

printf("Enter your amount :- "); //prompt

scanf("%f",&deposit); //read a float

balance=balance+deposit; //assign balance

printf("balance :- %.2f",balance); //print balance

}

else{

printf("You have selected an invalid transaction type");

}

return 0;

}

**Exercise 3**

#include<stdio.h>

int main(){

float num1,num2,total; // variables

char ope; //ope=operators input with keybord

printf("Enter number 1 :- "); //prompt

scanf("%f",&num1); //read a float

printf("Enter number 2 :- "); //prompt

scanf("%f%\*c",&num2); //read a float

printf("Enter operator :- "); //prompt

scanf("%c",&ope); //read a character

if(ope=='+'){

total=num1+num2; //assign total

printf("total = %.2f ",total); //print total

}

else if(ope=='-'){

total=num1-num2; //assign total

printf("total = %.2f ",total); //print total

}

else if(ope=='\*'){

total=num1\*num2; //assign total

printf("total = %.2f ",total); //print total

}

else if(ope=='/'){

total=num1/num2; //assign total

printf("total = %.2f ",total); //print total

}

else{

printf("invalid operator");

}

return 0;

}

**Exercise 4**

#include<stdio.h>

int main(){

float num1,num2,total; //variables

char ope;

printf("Enter number 1 :- "); //prompt

scanf("%f",&num1); //read a float

printf("Enter number 2 :- "); //prompt

scanf("%f%\*c",&num2); //read a float

printf("Enter operator :- "); //prompt

scanf("%c",&ope); //read a character

switch(ope){

case '+': total=num1+num2; //assign total

printf("total = %.2f ",total); //print total

break;

case '-':total=num1-num2; //assign total

printf("total = %.2f ",total); //print total

break;

case '\*':total=num1\*num2; //assign total

printf("total = %.2f ",total); //print total

break;

case '/':total=num1/num2; //assign total

printf("total = %.2f ",total); //print total

break;

default:printf("invalid operator"); //print invalid operator

break;

}

return 0;

}