C set 1

**1)**

#include <stdio.h>

int main()

{

int firstNumber, secondNumber, sumOfTwoNumbers;

printf("Enter two integers: ")

// Two integers entered by user is stored using scanf() function

scanf("%d %d", &firstNumber, &secondNumber);

// sum of two numbers in stored in variable sumOfTwoNumbers

sumOfTwoNumbers == firstNumber + secondNumber;

// Displays sum

printf("%d + %d = %d", firstNumber+secondNumber=sumOfTwoNumbers);

Ans:

(i) semicolon after printf()

(ii) sumoftwonumbers=

(iii) printf("%d + %d = %d", firstNumber,secondNumber,sumOfTwoNumbers);

(iv) return statement should be there

(v) missing ending parenthesis

**2)**

#include <stdio.h>

string main()

{

double firstNumber, secondNumber, temp;

printf("Enter first number: ");

scanf("%lf", &firstNumber)

printf("Enter second number: ");

scanf("%lf", &secondNumber);

/ Value of firstNumber is assigned to temporaryVariable

temp = firstNumber;

firstNumber = secondNumber;

secondNumber = temp;

printf("\nAfter swapping, firstNumber = %.2lf\n", first Number);

printf("After swapping, secondNumber = %.2lf", second Number);

return a;

}

Ans:

(i) semicolon after printf()

(ii) sumoftwonumbers=

(iii) printf("%d + %d = %d", firstNumber,secondNumber,sumOfTwoNumbers);

(iv) return statement should be there

(v) missing ending parenthesis

**3)**

#include <stdio.h>

struct student

{

char name[50];

int height;

}

int main(){

struct student stud1[5], stud2[5];

FILE fptr;

int i;

fptr = fopen("file.txt",w);

for(i = 0; i < 5; ++i;)

{

fflush(stdin);

printf("Enter name: ");

gets(stud1[i].name);

printf("Enter height: ");

scanf("%d", stud1[i].height);

}

fwrite(stud1, sizeof(stud1), 1, fptr);

fclose(fptr);

}

Ans:

(i) int hcf(int n1,int n2)

(ii) semicolon after (i) statement

(iii) print(“……”,hcf(n1,n2));

(iv) int hcf(int n1,..)

(v) int hcf(..,int n2)

**4)**

#include <studio.h>

int main()

{

int side 1, side2, side3;

/\* Input sides of a triangle/\*

printf("Enter three sides of triangle: ");

scanf("%d\n%d\n%d", &side1, &side2, &side3);

if(side1==side2 && side2==side3)

{

/\* If all sides are equal \*/

printf("Equilateral triangle.");

}

else if(side1==side2 || side1==side3 || side2==side3)

{

printf("Isosceles triangle.")

}

else if

{

printf("Scalene triangle.");

}

return 0;

}

Ans:

(i) LINE 1: <stdio.h>

(ii) LINE 5: int side1

(iii) LINE 7: comment closing \*/

(iv) LINE 19: semicolon after printf("Isosceles triangle.")

(v) LINE 21: not if else. It’s if

5)

#include<stdio.h>

#include<malloc.h>

#include<conio.h>

typedef struct Node

{

struct Node prev;

int info ;

struct Node \*next;

}node

void createdub(node\*\*,node\*\*);

void display(node \*);

void main()

{

int ch;

node \*start ,\*end ;

start = end = NULL;

createdub(&start,&end);

printf("\nThe list is : ");

display(start);

getch();

}

void createdub(node \*\*start,node \*\*end)

{

int i,item ,k=1;

printf("\nEnter number of node: ");

scanf("%d",&i);

while(i)

{ node \*ptr;

printf("\nEnter the info for node %d : ",k);

scanf("%d",&item);

ptr=(node\*)malloc(sizeof(node));

ptr->info=item;

if(\*start==NULL)

{

ptr.prev = ptr.next = NULL ;

\*start = \*end = ptr ;

}

else

{

ptr->prev = \*end;

(\*end)->next = ptr ;

ptr->next= NULL;

(\*end)=ptr;

}

i--;

k++;

}

}

void display(node \*start)

{

while(start !=NULL)

{

printf("\t %d",start->info);

start = start->next;

}}

Ans:

(i) closing ; after struct . that is after }node;

(ii) Missing \* in struct Node \*prev;

(iii) in if() , in ptr.prev = ptr.next = NULL ; NOT ptr.prev and ptr.next. IT’S ptr->prev and ptr->next

**6)**

#include <stdio.h>

#include <alloc.h>

#include <stdlib.h>

void main() {

int i,n;

int \*a,\*b;

double \*c;

printf("How many Elements in each array...\n");

scanf("%d", &n);

a = (int \*) malloc(n\*sizeof(int));

b = (int \*) malloc(n\*sizeof(int));

c =( int \*) malloc(n\*sizeof(Double));

printf("Enter Elements of First List\n");

for (i=0;i<n;i++) {

scanf("%d",a+i);

}

printf("Enter Elements of Second List\n");

for (i=0;i<n;i++) {

scanf("%d",b+\*i);

}

for (i=0;i<n;i++) {

\*(c+i) = \*(a+i) + \*(b+i);

}

printf("Resultant List is\n");

for (i=0;i<n;i++) {

printf("%d\n",(i+\*c));

} }

Ans:

(i) #include<malloc.h>

(ii) sizeof(Double) , it’s double

(iii) scanf("%d",b+\*i); It’s i+\*b