

①

M. Rasan
19k-0300
Sec A
Date:
Rasan

PF Paper Final

(Q1)

#include < stdio.h >

#include < conio.h >

#include < string.h >

#include < stdlib.h >

int main()

int quantity, sum, csum = 0, n; float bsum = 0, bquantity

char choice;

printf("Welcome to the Sky Bakers\n");

printf("Welcome\n");

printf("Please select from Menu\n");

printf("C = Cake\nB = Biscuits\n");

printf("How many types of items you need to order: ");

scanf("%d", &n);

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

{

printf("Enter item %d", i);

scanf("%c", &choice);

switch(choice)

{

case 'C':

case 'c':

printf("Enter quantity ");

scanf("%d", &cquantity);

csum = 500 * cquantity;

break;

(2)

M. Rousan
19K-0300
sec A

Date: 27/01/2023

Case "B":

case 'b':

```
printf("Enter quantity");
scanf("%d", &bquantity);
bsum = 200 * bquantity;
break;
```

default:

```
printf("Unavailability of items");
```

{}

```
if(csum != 0 && bsum != 0)
{
```

```
printf("%d Cakes = %.d", cquantity, csum);
printf("\n%d Biscuits = %.d", bquantity, bsum);
```

```
}
```

```
else if(csum == 0 && bsum == 0)
{
```

```
printf("%d Cakes = %.d", cquantity, csum);
```

{}

```
else if(csum == 0 && bsum != 0)
{
```

```
printf("%d Biscuits = %.d", bquantity, bsum);
```

{}

else

{}

```
printf("No items");
```

{}

Scanned with CamScanner

(3)

M. Rama
19A - 0302
SCCADate _____
Page _____

Q2

```
int main()
{
```

```
    char nic[15];
    printf("Enter nic number with no spaces");
    gets(nic);
    int middle, sum, divide, temp; i = 0; space = 0;
    printf("Enter middle part of nic");
    scanf("%d", &middle);
    for (i = 0; i < 7; i++)
    {
        scanf("%c", &temp);
        if (temp == ' ')
            space++;
    }
```

```
    sum = temp / 10;
    temp = temp % 10;
```

{

```
    divide = sum / 3;
```

```
    printf("Digit sum divided by 3 is %d", divide);
    printf("\nNow the diagonal printing by nic string is\n");
    while (c[i] != 0)
    {
```

```
s = i
```

```
    while (s--)
```

```
{ printf(" "); }
```

```
printf("%c\\n", c[s]);
```

```
i++
```

PRODUCT OF



Date: 07/07/2023

(4)

struct address {

char street[100];

char city[20];

char state[20];

};

struct Customer {

int Cid;

char name[50];

struct address adr;

};

struct Product {

int Pid;

char Prname[50];

int quantity;

};

int main()

int i, n, choice, nOp;

struct Customer cus[n];

struct Product P;

printf("Number of customers");

scanf("%d", &n);

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

{

printf("Enter customer details\n", i + 1);

printf("Id ");

scanf("%d", &cus[i].Cid);

(5)

M. Poush
K130800
SCC ADate:
Karna

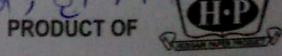
```

gets(cus[i].Cname);
gets(cus[i].adr.street);
gets(cus[i].adr.city);
gets(cus[i].adr.state);

{
FILE *fptr, *fptr2;
if ((fptr = fopen("customer-details.txt", "w")) == NULL)
{
    exit(1);
}
else
{
    for (i = 0; i < n; i++)
    {
        fwrite(&cus[i], sizeof(struct customer), 1, fptr);
    }
}
fclose(fptr);

if ((fptr2 = fopen("product-details.txt", "w")) == NULL)
{
    exit(1);
}
else
{
    nOp = 1;
    scanf("%d %s %d", &p.Pid, p.Pname, &p.Quantity);
    while (!feof(stdin))
    {
        fprintf(fptr2, "%d %s %d\n", p.Pid, p.Pname, p.Quantity);
        scanf("%d %s %d", &p.Pid, p.Pname, &p.Quantity);
        nOp++;
    }
}

```



(C)

Date: 8 Jan

```
int choice;
fclose(fptr2);
printf("1) list out all maintained items\n");
printf("2) list only quantity zero ");
printf("3) list only quantity greater than 50 ");
scanf("%d", &choice);
if(choice == 1){
    struct Product P[nop];
    fptr2 = fopen("Product-details", "r");
    fscanf(fptr2, "%d %s %d %f", &P);
    for(i=0; i<nop; i++){
        printf("%d %s %d %f", P[i].Pid, P[i].Pname,
               P[i].Pquantity);
    }
}
else if(choice == 2){
    struct Product P[nop];
    for(i=0; i<nop; i++){
        if(P[i].Pquantity == 0)
            printf("%d %s %d %f", P[i].Pid, P[i].Pname,
                   P[i].Pquantity);
    }
}
```

60

Using *n*-Jelf

else if { (choice 1 or 3)

Structural Product Planning

~~Gr. (i.e.) hospital~~

$\{ \text{if } \text{PCT_Purity} > 50 \}$

Printed 7/15/02, 99:17.8 id, PE17, Prince, PE17

3

3

Q4

```

void distance_wise();
void month_wise();
float arr[5][5];
float dtotal[5], mtotals[5];
    
```

```

void input()
arr[5][5] = {
    { 27000.5, 34000.5, 45000.5, 50000.5, 52000 },
    { 29000.5, 27000.5, 36000, 36000.5, 37000.5 },
    { 27000.5, 3600, 27000, 36000.5, 27000.5 },
    { 36000.5, 3600.5, 39000.5, 27000, 27000 },
    { 27000.5, 36000.5, 3600, 22000, 27000 }
}
    
```

```

month_wise();
distance_wise();
    
```

{

void output()

Pointf("Department : January, February, March, April, May, Total")

int i, j;

printf("Surgery");

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

{ printf("% .2f", arr[4][i]); }

printf("% .2f", dtotal[0]);

printf("Emergency");

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

{ printf("% .2f", arr[7][i]); }

printf("% .2f", dtotal[1]);

Q

29/08/2022

```
printf("Skin");
for(i=0; i<5; i++)
{
    printf("%.2f", arr[2][i]);
    printf("%.2f\n", dtotal[2]);
}
```

```
printf("Covid-19");
for(i=0; i<5; i++)
{
    printf("%.2f", arr[3][i]);
    printf("%.2f\n", dtotal[3]);
}
```

```
printf("Dentistry");
for(i=0; i<5; i++)
{
    printf("%.2f", arr[4][i]);
    printf("%.2f\n", dtotal[4]);
}
```

```
printf("Total");
for(i=0; i<5; i++)
{
    printf("%.2f", mtotal[i]);
}
```

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

```
    for(j=0; j<5; j++)
    {
        if(i==j)
    }
```

```
        if(arr[i][j] > 50000)
```

```
            printf("Surgery and fracture");
```

(10)

Date: Rosan

if ($i = 1$)

{
 if ($\text{arr}[i][j] \geq 50000$)
 printf("Energy Need Federal\n"); }

if ($i = 2$)

{
 if ($\text{arr}[i][j] \geq 50000$)
 printf("Skill need federal\n"); }

if ($i = 3$)

{
 if ($\text{arr}[i][j] \geq 50000$)
 printf("Stand need federal\n"); }

if ($i = 4$)

{
 if ($\text{arr}[i][j] \geq 50000$)
 printf("Dentistry need support\n"); }

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

{
 for ($j = 0; j < 5; j++$)

{
 if ($j = 0$)

 if ($\text{arr}[i][j] ==$

(1)

Date: 20/08

```
for(j=0; i < 5; i++)
    {
```

```
        if (mtotal[0] < mtotal[1] && mtotal[0] < mtotal[2] && mtotal[0] <
            mtotal[3] && mtotal[0] < mtotal[4])
    {
```

```
            printf("January having lowest");
```

```
        else if (mtotal[1] < mtotal[0] && mtotal[1] < mtotal[2] && mtotal[1] <
                  mtotal[3] && mtotal[1] < mtotal[4])
    {
```

```
            printf(" February having lowest");
```

```
    else if (mtotal[2] < mtotal[0] && mtotal[2] < mtotal[1] && mtotal[2] <
              mtotal[3] && mtotal[2] < mtotal[4])
    {
```

```
        printf(" March having lowest");
```

```
else if (mtotal[3] < mtotal[0] && mtotal[3] < mtotal[1] && mtotal[3] <
          mtotal[2] && mtotal[3] < mtotal[4])
    {
```

```
        printf(" April having lowest");
```

```
else if (mtotal[4] < mtotal[0] && mtotal[4] < mtotal[1] && mtotal[4] <
          mtotal[2] && mtotal[4] < mtotal[3])
    {
```

```
        printf(" May having lowest");
```

{}

(2)

Date: 20/08/2023

float void department_wise()

{

 int i, j;

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

 {

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

 {

 d[total][i] = arr[i][j];

 }

}

}

{

 int i, j;

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

 {

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

 {

 m[total][i] = arr[j][i];

 }

}

int main()

{

 input();

 output();

(3)

Date: 2020

Q5

float distance (int a, int b, int c, int d);

int main()

{ int tspeed1, tspeed2, hspeed, distancebetween;

float distance total;

scanf ("%d %d %d %d %d %d %d %d", &tspeed1, &tspeed2, &hspeed,

&distancebetween);

total = distance (tspeed1, tspeed2, hspeed, distancebetween);

printf ("Total : %.2f", total);

}

{ float distance (int a, int b, int c, int d)

white (d != 0)

{ return (c * d / (a + b)); }

distance (a, b, c, d)

}

(14)

Date: 20/5/20

(07)

int main()

{

char str[100], old[50], new[50];
printf("Enter string");
gets(str);

char token\$ = strtok(str, " ");

printf("Enter word to replace");
gets(old);
printf("Enter new word");
gets(new);

while (token != '\0')

{

if ((strcmp(str[i], old) == 0))
{ strcpy(str[i], new); }
else {
str[i]++; }

}

printf("New string : %s", str);

{