(Assignment - 9)

main.c

Q.

1)

```
#include <stdio.h>
int main()
{
    int n;
    printf("enter a month number");
    scanf("%d", &n);
    switch(1)
    {
      case 1:
          If(n==1||n==3||n==5||n==7||n==8
              ||n==10||n==12)
          {
              printf("month day is 31");
              break;
          }
          If(n==4||n==6||n==9||n==11)
          {  printf("month day is 30");
              break;
          }
          If(n==2)
              printf("month day is 28");
      default:
              printf("month number is invalid");
}
return 0;
```

```
#include<stdio.h>
int main()
{ int a,b,c,choice;
  while(1)
  {
    printf("addition for 1");
    printf("subtraction for 2");
    printf("multiplication for 3");
    printf("division for 4");
    printf("exit for 0");
    printf("enter a choice");
    scanf("%d",&choice);
    switch(choice)
    {
      case 1:
          printf("enter a two number");
          scanf("%d %d",&a,&b);
          c=a+b;
          printf("sum=%d",c);
          break;
      case 2:
          printf("enter a two number");
          scanf("%d %d",&a,&b);
          c=a-b;
          printf("subtraction=%d",c);
          break;
      case 3:
          printf("enter a two number");
          scanf("%d %d",&a,&b);
          c=a*b;
          printf("multiply=%d",c);
          break;
```

```
case4:
        printf("Enter a two numbers");
        scanf("%d%d", &a, &b);
        c = a/b;
        printf("division = %d", c);
        break;
    case5:
        exit(0)
    default:
        printf("enter a valid choice");
    }
  }
  return 0;
}
```

③
```
#include<stdio.h>
int main()
{
  int choice,
    printf("day 1 for");
    printf("day 2 for");
    printf("day 3");
    printf("day 4");
    printf("days");
    printf("day 6");
    printf("day 7");
    printf("enter a choice");
    scanf("%d", &choice);
```

```
switch (choice)
{
 case 1:
      printf ("Today call Ramesh");
      break;
 case 2:
      printf (" Today meet Girlfrind");
      break;
 case 3:
      printf (" Today go to college");
      break;
 case 4:
      printf(" Today go to see movies");
      break;
 case 5:
      printf (" Today summit assignment");
      break;
 case 6:
      printf(" Today go to home");
      break
 case 7:
      printf(" party with friend");
      break;
 default:
      printf("enter a valid day");
 }
 return 0;
}
```

```
#include<stdio.h>
int main()
{
    int choice, a, b, c
    printf("cheak isosceles triangle or not-1");
    printf("cheak right angle triangle or not-2");
    printf("cheak equilateral triangle or not-3");
    printf("enter choice");
    scanf("%d", &choice);
    switch(choice)
    {
        case 1:
            printf("enter tringle side");
            scanf("%d %d %d", &a, &b, &c);
            if(a==b||b==c||c==a)
                printf("isoscales tringle");
            else
                printf("Not isoscales tringles");
            break;
        case 2:
            printf("enter tringle side");
            scanf("%d %d %d", &a, &b, &c);
            if((c^2==b^2+a^2)||(b^2==a^2+c^2)||(a^2==b^2+c^2))
                printf("right angle tringle");
            else
                print("Not right angle tringle");
            break;
```

```
case 3:
        printf("Enter tringle side");
        scanf("%d%d%d", &a, &b, &c);
        If(a==b==c)
            printf("equilateral tringle");
        else
            printf("Not equilateral tringle");
    default:
            printf("Enter valid side");
}
return 0;
}
```

(5)

```
#include<stdio.h>
int main()
{   int choice;
    printf("for good:1");
    printf("for better : 2");
    printf("for best : 3");
    printf("enter choice");
    scanf("%d", &choice);
    switch(choice)
    {
    case 1:
        printf("good");
        break;
    case 2:
        printf("better");
        break;
```

```
        case 3:
                printf("best");
                break;
        default printf("invalid");
    }
    return 0;
}
```

(6)

```
#include<stdio.h>
int main()
{   int choice, year;
    printf("check leap year : 1");
    printf("enter choice");
    scanf("%d", &choice);
    switch(choice)
    {
      case 1:
            printf("enter year");
            scanf("%d", &year);
            If (year%400==0)
                printf("leap year");
                break
            else If (year%4==0)
                printf("leap year");
                break;
            else printf("Not leap year");
      default
            printf("Not leap year");
    }
}
```

(7)
```
#include<stdio.h>
int main()
{ int choice, Rup; TotalRu, M;
  printf("0.50 per unit : 1");
  printf("for 0.75 per unit : 2");
  printf("for 1.20 per unit : 3");
  printf("for 1.50 per unit : 4");
  printf("Enter choice");
  scanf("%d", &choice);
  switch(choice)
  {
  case 1:
      int unit = 50;
      int ru = 0.50;
      Rup = unit * rup;
      m = rup * 20 / 100;
      Totalru = Rup + m;
      printf("%d", Totalru);
      break;
  case 2:
      int unit = 100
      int ru = 0.75
          rup = unit * ru
      m = rup * 100 / 100;
      Totalru = rup + m;
      printf("%d", Totalru);
      break;
```

```
printf("Enter choice");
scanf("%d",&choice);
switch(choice)
{
    printf("Enter positive value");
  case 1:
        printf("enter positive number");
        scanf("%d",&n);
        printf("%d",-n);
        break;
  case 2:
        printf("enter negative number");
        scanf("%d",&n);
        printf("positive number=%d",-n);
        break;
  default:
        printf("enter valid choice");
}
return 0;
}
```

switch(choice)
{
~~case 1~~

(9)
```
#include<stdio.h>
int main()
{
    int n,odd
    switch(1)
    {
      case 1:
          printf("enter even number");
          scanf("%d",&n);
          odd = n+1;
          printf("%d",odd);
          break;
      default:
          printf("number is odd");
    }
    return 0;
}
```

(10)
```
#include<stdio.h>
int main()
{ int a,b,c,in
  switch(1)
  {
    case 1:
        printf("enter the side of triangle");
        scanf("%d%d%d",&a,&b,&c);
```

```
If(ab²-4ac >0)
        printf("root are real");
m=[-b+sqrt(b²-4ac)]/2*a;
n=[-b-sqrt(b²-4ac)]/2*a;
printf("m=%d, n=%d", m, n);
break;
case2:
        printf("enter the side");
        scanf("%od %od %od" &a &b &c);
        If (b²-4ac=0)
                printf("root are equal\n");
        m=[-b+sqrt(b²-4ac)]/2*a;
        n=[-b-sqrt(b²-4ac)]/2*a;
        printf("m=%od, n=%od", m, n);
        break;
case3:
        printf("enter the side");
        scanf("%od %od %od", &a, &b, &c);
        If (b²-4ac<0)
                printf("root are imaginary")
        m=[-b+sqrt(b²-4ac)]/2*a;
        n=[-b+sqrt(b²-4ac)]/2*a;
        pasta
```

```
        printf("m=%d. n=%d", m, n);
        break;
    default:
        print("wrong triangle side");
    }
    return 0;
}
```

```
case 3:
    int unit = 100,
    int rup = 1.20
     rup = unit * ru;
     m = rup*20 / 100;
    totalru = rup + m;
    printf("%d", totalru);
    break;
case 4:
    int unit = 150;
    int ru = 1.50
     rup = unit*ru;
    m = refx 20 / 100;
     Totalru = rup+m;
     printf("%d", totalru);
      break
default:
      printf("enter valid choice");
}
return 0;
}
```

(2)

```
#include<stdio.h>
int main()
{ int choice, n;
  printf("for convert positive to negative : 1);
  printf("for convert negative to positive : 2);
```

```
        printf("m=%lod, n=%lod", m, n);
        break;
    default:
        print("wrong triangle side");
}
return 0;
}
```