24/1/22

Lab session

Switch case

① #include<stdio.h>
main()
{
    int days;
    printf ("\n Enter a number in range
                of 1to 7 = ");
    scanf ("%d", &days);

    . switch (days)
    {
        case 1:
            printf ("\n Monday");
            break;
        case 2;
            printf ("\n Tuesday");
            break;
        case 3;
            printf ("\n wednesday ");
            break;
        case 4;
            printf ("\n Thursday");
            break;
        case 5: printf ("\n Friday");
            break;

```c
case 6:
        printf("\n saturday");
        break;
case 7:
        printf("\n sunday");
        break;
default:
        printf("\n Invalid number");
    }
}
```

③
```c
#include<stdio.h>
int main()
{
    int code;
    printf("welcome to foodies\n");
    printf("Menu\n");
    printf("Idli, code: 1234, Price: 30 rupees\n");
    printf("upma, code:5678, Price:40 rupees\n");
    printf("puri, code: 8910, price : 50 rupees\n");
    printf("dosa, code: 2356, price: 60 rupees\n");
    printf("Enter the code\n");
    scanf("%d", &code);
```

```c
switch (code)
{
    case 1234:
        printf ("order is confirmed, pay 30 rupees \n");
        break;
    case 5678:
        printf ("order is confirmed, pay 40 rupees \n");
        break;
    case 8810:
        printf ("order is confirmed, pay 50 rup \n");
        break;
    case 2356:
        printf (" order is confirmed, pay 60₹ \n");
        break;
    default:
        printf (" Invalid \n");
}
```

}

Switch

(9)
```c
#include<stdio.h>
int main
{
        int n;
        printf ("Enter a no. : ");
        scanf ("%d", &num);
        switch (num%2)
        {
                case 0;
                        printf ("No. is even");
                        break;
```

(2)

```c
case 1:
    printf ("no is odd");
    break;
}
return 0;
}
```

(5)
```c
#include <stdio.h>
int main ()
{
    int num;
    printf (" Enter any number: ");
    scanf ("%d", &num);
    switch (num >0)
    {
        case 1:                          positive
            printf ("%d is negative", num);
            break;
        case 0:

            switch (num < 0)
            {
                case 1:
                    printf ("%d is -ve", num);
                    break;
                case 0:
                    printf ("%d is zero", num);
                    break;
            }
```

```
            break;
    }
        }
            return o;

    }
```

while loop

①
```c
#include <stdio.h>
int main()
{
    int i=1,n;
    scanf("%d",&n);
    while (i<=n)
    {
        printf("%d\n", i);
        i++;
    }
    return 0;
}
```

②
```c
#include <stdio.h>
int main()
{
    int i=n,n;
    scanf("%d",&n);
    while (i>=1)
    {
        printf("%d\n");
        --i;
    }
    return 0;
}
```

```c
③  #include <stdio.h>
   void main()
      {
          char ch= 'a';
          printf (" Alphabets from a'toz are : \n");
          while ( ch <= z)
             {
                 printf ("%c\n", ch);
                 ++ch;
             }
      }

④  #include<stdio.h>
   int main()
      {
          int a= 2;
          printf ("Even no. from 1 to 100 : \n");
          while ( a <=100)
             {
                 printf (" %d \n", a)
                 a = a+2;
             }
          return 0;
      }
```

```c
⑤  #include<stdio.h>
    int main()
    {
            int a=1;
            printf("Odd no. from 1 to 100 : \n");
            while (a<100)
            {
              | printf(" %od", a);
                a=a+2;
            }
          return 0;
    }

⑥  #include <stdio.h>
    int main()
    {
            int n, i, sum=0;
            printf("Enter a +ve integer : ");
            scanf("%d", &n);
            i=1;
            while (i<=n)
            {
                sum +=i;
                +i;
            }
```

```c
        printf ("sum = %d", sum);
        return 0;
    }
```

7)
```c
#include <stdio.h>
int main()
{
    int n, i=1, sum=0;
    printf (" Enter the limit \n");
    scanf (" %d", &n);
    while (i<=n)
    {
        if (i%2 ==0)
        {
            sum = sum+ i;
        }
        i++;
    }
    return 0;
}
```

8)
```c
#include <stdio.h>
int main()
{
    int n, i=1, sum=0
    printf (" Enter a integer \n");
```

```
scanf ("%d", &num);
while (i <= n)
{
    if (i % 2 != 0)
    {
        sum = sum + i
    }
    i++
}
return 0;
}
```