

PRACTICLE 04

Question No:01

Part 01

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    int x,rem;
    printf("Enter a number ");
    scanf("%d",&x);
    rem=x%2;
    if (rem==0)
        printf("%d is an even number\n",x);
    else printf("%d is an odd number ",x);
    return 0;
}
```

Part 02

```
#include <stdio.h>
#include <stdlib.h>

int main()
```

```

{
    int x,rem;
    printf("Enter a number ");
    scanf("%d",&x);
    rem=x%2;
    switch(rem)
    {
        case 0:printf("%d is an even number",x);break;
        default:printf("%d is an odd number",x);
    }
    return 0;
}

```

Question No:02

```

#include <stdio.h>
#include <stdlib.h>

```

```

int main()
{
    int x,no1,no2;
    float add,sub,mul,div;
    printf("Addition      : 1\n");
    printf("Subtraction    : 2\n");
    printf("Multiplication : 3\n");
    printf("Division       : 4\n");
    printf("Select the operator ");

```

```

scanf("%d",&x);
printf("Enter two values ");
scanf("%d %d",&no1,&no2);
add=no1+no2;
sub=no1-no2;
mul=no1*no2;
div=no1/no2;
switch(x)
{
    case 1:printf("Answer is %.2f",add);break;
    case 2:printf("Answer is %.2f",sub);break;
    case 3:printf("Answer is %.2f",mul);break;
    case 4:printf("Answer is %.2f",div);break;
    default:printf("Invalid Operator");
}

return 0;
}

```

Question No:03

```

#include <stdio.h>
#include <stdlib.h>

int main()
{
    char ch;

```

```

float rad,cir,area,volume,pi;
pi=3.14159;
printf("Circumference of a circle : c\n");
printf("Area of a circle           : a\n");
printf("Volume of a sphere         : v\n");
printf("Select the required calculation ");
scanf("%c",&ch);
printf("Enter the radius ");
scanf("%f",&rad);
cir=2*pi*rad;
area=pi*rad*rad;
volume=4/3*pi*rad*rad*rad;
switch(ch)
{
    case 'c':printf("The Circumference is
%.2f",cir);break;
    case 'a':printf("The area is %.2f",area);break;
    case 'v':printf("The volume is %.2f",volume);break;
    default:printf("Invalid calculation");
}
return 0;
}

```

Question No:04

```

#include <stdio.h>
#include <stdlib.h>

```

```
int main()
{
    char ch;
    printf("Enter a letter ");
    scanf("%c",&ch);
    switch(ch)
    {
        case 'a':printf("%c is a vowel",ch);break;
        case 'e':printf("%c is a vowel",ch);break;
        case 'i':printf("%c is a vowel",ch);break;
        case 'o':printf("%c is a vowel",ch);break;
        case 'u':printf("%c is a vowel",ch);break;
        default:printf("%c is not a vowel",ch);i
    }
    return 0;
}
```

Question No:05

```
#include <stdio.h>
#include <stdlib.h>
```

```
int main()
{
    int no;
    printf("Enter the month number ");
    scanf("%d",&no);
```

```
    swit2ch(no)
    {
        case 1:printf("Number of days in month is
31");break;
        case 2:printf("Number of days in month is
30");break;
        case 3:printf("Number of days in month is
31");break;
        case 4:printf("Number of days in month is
30");break;
        case 5:printf("Number of days in month is
31");break;
        case 6:printf("Number of days in month is
30");break;
        case 7:printf("Number of days in month is
31");break;
        case 8:printf("Number of days in month is
31");break;
        case 9:printf("Number of days in month is
30");break;
        case 10:printf("Number of days in month is
31");break;
        case 11:printf("Number of days in month is
30");break;
        case 12:printf("Number of days in month is
31");break;
        default:printf("Invalid month nuumber");

    }
```

```
    return 0;  
}
```