

# C PRACTICAL NUMBER 03

## ANSWERS

1. #include <stdio.h>

#include <stdlib.h>

int main()

{

int n01,n02,max;

printf("Enter two numbers");

scanf("%d %d",&n01,&n02);

if (n01>n02)

max=n01;

else

max=n02;

printf("The Highest number is %d\n",max);

return 0;

}

2. #include <stdio.h>

#include <stdlib.h>

int main()

```
{  
    int a,b,c, larg, small;  
  
    printf("Enter Three Number\n");  
    scanf("%d %d %d",&a,&b,&c);
```

```
    if(a>b)  
    {  
        if(a>c)  
            larg = a;  
        else  
            larg = c;
```

```
    }  
    else  
    {  
        if(b>c)  
            larg = b;  
        else  
            larg = c;  
    }
```

```
    if(a<b)  
    {
```

```
    if(a<c)
        small = a;
    else
        small = c;
}
else
{
    if(b<c)
        small = b;
    else
        small = c;
}
printf("%d is largest number\n",larg);
printf("%d is Smallest Number ",small);
return 0;
}
```

3. #include <stdio.h>

#include <stdlib.h>

int main()

{

char empname[20];

float bs,inc,ns;

```
printf("Enter Employee Name\n");
scanf("%s",&empname);
printf("Enter Basic salary\n");
scanf("%f",&bs);
if (bs>=10,000)
    inc=bs*0.15;
else if (bs>=5,000)
    inc=bs*0.10;
else
    inc=bs*0.05;
ns=bs+inc;
printf("Empolyee Name %s \n",empname);
printf("New salary %.2f",+ns);
return 0;
}
```

4. #include <stdio.h>

#include <stdlib.h>

int main()

{

int radius,diameter;

double constantvalue,circumference,area;

printf("Enter Radius of the circle\n");

```

scanf("%d",&radius);
diameter=radius*2;
constantvalue=3.14159;
circumference=constantvalue*diameter;
area=constantvalue*radius*radius;
printf("The diameter is %d\n",diameter);
printf("The circumference is %f\n",circumference);
printf("the area of the circle is %f\n",area);
return 0;
}

```

5. #include <stdio.h>

#include <stdlib.h>

int main()

{

int num1, num2;

printf( "Enter two numbers: \n" );

scanf( "%d%d", &num1, &num2 );

if ( num2 % num1 == 0 ) {

printf( "%d is a multiple of %d\n", num2, num1 );

} else {

```
    printf( "%d is not a multiple of %d\n", num2, num1 );
}
return 0;
}
```

6. #include <stdio.h>

#include <stdlib.h>

int main()

```
{ printf( "%d %d %d %d %d %d %d %d %d %d %d %d\n", 'A', 'B', 'C', 'a', 'b', 'c',
'0', '1', '2', '$', '*', '+', '/' );
```

```
    return 0;
```

```
}
```

7. #include <stdio.h>

#include <stdlib.h>

int main()

```
{ float basic_sal,gross_sal,sales;
```

```
    int service_yrs;
```

```
    char city;
```

```
    printf("Enter the basic salary : ");
```

```
    scanf("%f",&basic_sal);
```

```
printf("Enter the years of the service : ");
scanf("%d",&service_yrs);
printf("Enter 'C' if the working city is Colombo. If not Enter Any other letter :");
scanf("%s",&city);
printf("Monthly sales : ");
scanf("%f",&sales);
if (service_yrs>5)
    gross_sal = basic_sal + basic_sal*10/100;
else
    gross_sal = basic_sal;
switch(city)
{
    case 'c' :
        gross_sal = gross_sal + 2500;break;
    case 'C' :
        gross_sal = gross_sal + 2500;break;
    default :gross_sal = gross_sal;
}
if (sales<25000)
    gross_sal = gross_sal + sales*10/100;
else if (sales<50000)gross_sal = gross_sal + sales*12/100;
else
    gross_sal = gross_sal + sales*15/100;
printf("Gross salary = %.2f \n",gross_sal);
```

```
return 0;
```

```
}
```