

ASSIGNMENT - 2

1)

```
#include<stdio.h>
int main()
{
    int a,b;
    printf("Enter two numbers:");
    scanf("%d %d", &a, &b);
    if(a>b)
    {
        printf("largest = %d\n", a);
        printf("smallest = %d\n", b);
    }
    else
    {
        printf("largest = %d\n", b);
        printf("smallest = %d\n", a);
    }
    return 0;
}
```

2)

```
#include<stdio.h>
int main()
{
    int a,b,c;
    printf("Enter three numbers:");
    scanf("%d %d %d",&a,&b,&c);
    # Largest
    if (a>b && a>c)
        printf("Largest = %d\n",a);
    else if (b>c)
        printf("Largest = %d\n",b);
    else
        printf("Largest = %d\n",c);
    # Smallest
    if (a<b && a<c)
        printf("Smallest = %d\n",a);
    else if (b<c)
        printf("Smallest = %d\n",b);
    else
        printf("Smallest = %d\n",c);
    return 0;
}
```

3)

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

```
int main()
```

{

```
float gross, allowances, deductions, net;
```

```
printf("Enter gross salary:");
```

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

```
if (gross > 10000)
```

{

```
allowances = 0.10 * gross;
```

```
deductions = 0.03 * gross;
```

}

```
else if (gross > 5000)
```

{

```
allowances = 0.07 * gross;
```

```
deductions = 0.02 * gross;
```

}

```
else
```

{

```
allowances = 0;
```

```
deductions = 0;
```

}

```
net = gross + allowances - deductions;
```

```
printf("Net Salary = %0.2f\n", net);
```

```
return 0;
```

3

4)

```
#include<stdio.h>
int main()
{
    int num;
    printf("Enter a number:");
    scanf("%d", &num);
    if (num%7 == 0)
        printf("%d is divisible by 7\n", num);
    else
        printf("%d is not divisible by 7\n", num);
    return 0
}
```

5)

```
#include<stdio.h>
int main()
{
    float gross, discount, net;
    printf("Enter gross sales:");
    scanf("%f", &gross);
    if (gross > 20000)
        discount = 0.15 * gross;
    else if (gross > 10000)
        discount = 0.10 * gross;
    else
        discount = 0.05 * gross;
```

```
net = gross - discount;  
printf("Net Sales = %.2f\n", net);
```

```
return 0; // Main function ending
```

```
}
```

6)

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

```
int main()
```

```
{
```

```
int m1, m2, m3;
```

```
float total, avg;
```

```
printf("Enter marks of 3 subjects: ");
```

```
scanf("%d %d %d", &m1, &m2, &m3);
```

```
if (m1 < 35 || m2 < 35 || m3 < 35)
```

```
{
```

```
    printf("Result: Fail\n");
```

```
}
```

```
else
```

```
{
```

```
    total = m1 + m2 + m3;
```

```
    avg = total / 3.0;
```

```
    if (avg >= 70)
```

```
        printf("Grade: Distinction\n");
```

```
    else if (avg >= 60)
```

```
        printf("Grade: First class\n");
```

```
    else if (avg >= 50)
```

```
        printf("Grade: Second class\n");
```

```
else if (avg >= 35)  
    printf("Grade: Third class\n");  
else  
    printf("Grade: Fail\n");  
}  
return 0;  
}
```