

# מטלה מס' 3 - התניה

מגיש - זאב

## IF חלק א' - פקודות

### שאלה 1

```
int a,b,c;
printf("Enter 3 numbers ");
scanf("%d%d%d",&a,&b,&c);

if(a < b && b < c)
{
    printf("YES");
} else {
    printf("NO");
}
```

### שאלה 2

```
int number;
printf("Enter number ");
scanf("%d",&number);

if((number > 99 && number < 1000) || (number > -1000 && number < -99 ))
{
    printf("YES");
} else {
    printf("NO");
}
```

### שאלה 3

```
int number,num,num10;
printf("Enter number ");
scanf("%d",&number);

if((number > 9 && number < 100) || (number > -100 && number < -9 ))
{
    num = (number %10) + (number /10);
    printf("\n%d",num);
} else {
    printf("ERROR");
}
```

### שאלה 4

```
int number;
printf("Enter number ");
scanf("%d",&number);

if(number > 0 || number < 0)
{ if (number > 0)
```

```

    {
        printf("POITIVE");
    } else {
        printf("NEG");
    }
} else {
    printf("ZERO");
}

```

שאלה 5

```

int a,b,c,sum;
printf("Enter 3 numbers ");
scanf("%d%d%d",&a,&b,&c);

if(a < b && b < c)
{
    sum = a + b + c;
    printf("sum = %d",sum);
} else if (a > b && b > c) {
    sum = a * b * c;
    printf("mulip = %d",sum);
} else {
    printf("ERROR");
}

```

שאלה 6

```

int a,b,c;
printf("Enter 3 numbers ");
scanf("%d%d%d",&a,&b,&c);

if(a >= b && a >= c)
{
    printf("%d",a);
} else if (b >= a && b >= c) {
    printf("%d",b);
} else {
    printf("%d",c);
}

```

### switch חלק ב' - פקודות

```

int val,flag=0;
float num1, num2; // added "float num1, num2;"
float res;

printf("enter 2 numbers: ");
scanf("%d%d", &num1, &num2);

printf(" 1 : add \n 2 : sub \n 3 :mul \n 4 : div \n ");
scanf("%d", &val);
switch (val)
{
    case 1 :res = num1 + num2 ;
        break; // added brake;
    case 2 :res = num1 - num2 ;
        break; // added brake;
}

```

```

        case 3 :res = num1 * num2 ;
        break; // added brake;
        case 4 :res = num1 / num2 ;
        break; // added brake;
default :printf("wrong function selection \n");
        flag = 1 ;
    }
    if (flag==0)
printf("the resualt is : %.2f\n", res);
    }

```

⌘

wrong function selection

⌘

add break to all case

⌘

Sums	Total	val
34 + 45	79	1
15 - 10	5	2
15 * 5	75	3
wrong function selection	ERROR	4

⌘

6

turn num1,num2 in to float but leaving val as int

## חלק ג' -האופרטור

```

int num,res;
printf("Enter number ");
scanf("%d",&num);

res = (num %2 == 0) ? num * num : num * 2;
printf("%d",res);

```