

# מטלה מס' 3 - התניה

מגיש - זאב

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## 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,temp;  
printf("Enter 3 numbers : ");  
scanf("%d %d %d",&a,&b,&c);  
  
if (a >= b && a >= c)  
{  
    temp = c;  
    c = a;  
    a = temp;  
}  
if (b >= a && b >= c)  
{  
    temp = c;  
    c = b;  
    b = temp;  
}  
if (b <= a)  
{  
    temp = a;  
    a = b;  
    b = temp;  
}  
printf("%d %d %d",a,b,c);
```

#### 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

ב

add break to all case

ג

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

ד

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);
```