



Fenerbahçe Üniversitesi
BLM 103 – Algoritmalar ve Programlama I
Ödev 2: Seçim ve Kontrol Yapıları
Çözümler

Soru 1:

```
#include<stdio.h>

int main()
{
    int sayi;
    int kup = 0;
    printf("Bir Sayi Giriniz =");
    scanf_s("%d", &sayi);
    for (int i = 1; i < sayi; i++)
    {
        kup = i * i* i;
        printf("%d sayisinin kupu = %d\n", i, kup);
    }
    return 0;
}
```

Soru 2:

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

```
int main()
```

```
{
```

```
    int sayi;
```

```
    int d = 1;
```

```
    int e = 1;
```

```
    int sayac = 0;
```

```
    printf("Bir sayi giriniz= ");
```

```
    scanf_s("%d", &sayi);
```

```
    for (int i = 1; d <= sayi; i++)
```

```
    {
```

```
        for (int j = 1; j <=e ; j++)
```

```
        {
```

```
            printf("%d", d);
```

```
                if (d == sayi)
```

```
                {
```

```
                    exit();
```

```
                }
```

```
                d = d + 1;
```

```
        }
```

```
        e = e + 1;
```

```
        printf("\n");
```

```
    }
```

```
    return 0;
```

```
}
```

Soru 3:

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

```
int main()
```

```
{
```

```
    int sayi1, sayi2;
```

```
    int kucuksayi = 0;
```

```
    int sonuc = 0;
```

```
    printf("1. Sayiyiyi Giriniz = ");
```

```
    scanf_s("%d", &sayi1);
```

```
    printf("2. Sayiyiyi Giriniz= ");
```

```
    scanf_s("%d", &sayi2);
```

```
    if (sayi1 >= 100)
```

```
    {
```

```
        printf("Girdiginiz Sayi 100'den Kucuk Olmalidir,Lutfen 1.Sayiyi Tekrar Giriniz = ");
```

```
        scanf_s("%d", &sayi1);
```

```
    }
```

```
    else if (sayi2 >= 100)
```

```
    {
```

```
        printf("Girdiginiz Sayi 100'den Kucuk Olmalidir,Lutfen 2.Sayiyi Tekrar Giriniz = ");
```

```
        scanf_s("%d", &sayi2);
```

```
    }
```

```
    if (sayi1 < sayi2)
```

```
    {
```

```
        kucuksayi = sayi1;
```

```
    }
```

```
    else
```

```
    {
```

```
        kucuksayi = sayi2;
```

```
    }
```

```
    for (int i = 2; i <= kucuksayi; i++)
```

```
    {
```

```
        if (sayi1 % i == 0 && sayi2 % i == 0)
```

```
        {
```

```
            sonuc = i;
```

```
        }
```

```
    }
```

```
    printf("OBEB(%d,%d) = %d", sayi1, sayi2, sonuc);
```

```
    return 0;
```

```
}
```