

حل سوال ۵-۱:

```
#include <iostream>
#include <conio.h>
using namespace std;
main()
{
    int a,b,c=0;
    cout<<"do adad vared konid"<<"\n";
    cin>>a>>b;
    if(a>=b){
        while(a>0(
    }
        a=a-b;
        c=c+1;
    {{
        cout<<"kharej ghesmat ="<<c;
        cout<<" baghimande ="<<a;

        getch();
    }
```

حل سوال ۵-۲:

```
#include <iostream>
#include <conio.h>
using namespace std;
main()
{
    int a,ma=0,mi=10,b,c;
    b=0;
    cout<<"enter NO = ";
    cin>>a;
    while(a>0) {
        b=a%10;
        a=a/10;
        if(b>ma) {
            ma=b;
        }
        else if(b<mi)
        {
            mi=b;
        }
    }
    c=ma-mi;
    cout<<"tafazol kocheh o bozorg = "<<c;
    getch();}
```

حل سوال ۵-۳:

```
#include <iostream>
#include <conio.h>
using namespace std;
main()
{
    int a,b=0,c=0;
    cout<<"enter NO = ";
    cin>>a;
    while(a>0)
    {
        c=c*10;
        b=a%10;
        a=a/10;
        c=c+b;
    }
    cout<<"adad bar ax shode = "<<c;
    getch();
}
```

حل سوال ۴-۵:

```
#include <iostream>
#include <conio.h>
using namespace std;
main()
{
    int a,b,c;
    cin>>a>>b;
    int n = a, m=b;
    while(b>0)
    {
        c= a%b;
        a = b;
        b = c;
    }
    cout<<"BMM= "<<a<<endl;
    cout<<"KMM= "<<(m*n)/a;
        getch();
}
```

حل سوال ۵-۵ :

```
#include <iostream>
#include <conio.h>
using namespace std;
main()
{
    int a,mx,mn;
    cin>>a;
    mx =a;
    mn = a;
    while(a!= -1)
    {
        cin>>a;
        if(a>mx)
            mx = a;
        if(a < mn && a!= -1)
            mn = a;
    }
    cout<<"MAX= "<<mx;
    cout<<"MIN = "<<mn;
    getch();}
```

حل سوال ۵-۷:

```
#include <iostream>
```

```
#include <conio.h>
```

```
using namespace std;
```

```
main()
```

```
{
```

```
    char ch , cht= ' ';
```

```
    while(ch!='.')
```

```
    {
```

```
        ch = getch();
```

```
        if(cht==' ' && ch>='a' && ch<='z')
```

```
        {
```

```
            ch = ch-32;
```

```
        }
```

```
        cout<<ch;
```

```
        cht = ch;
```

```
    }
```

```
        getch();
```

```
}
```

حل سوال ۵ - ۹:

```
#include <iostream>
```

```
#include <conio.h>
```

```
#include <graphics.h>
```

```
using namespace std;
```

```
main()
```

```
{
```

```
    int a,b,c=0,x,y,i,r;
```

```
    cout<<"adad entekhab shode beyn 0 ta 200 ast."<<"\n"<<"shoma 7 bar forsate  
hads zadan darid..."<<"\n";
```

```
    srand(time(NULL));
```

```
    a=rand()%200;
```

```
    while(c<7)
```

```
    {
```

```
        cout<<"adad ra hads bezanid."<<"\n";
```

```
        cin>>b;
```

```
        c=c+1;
```

```
        if(b>a)
```

```
            cout<<"bozorg tar"<<"\n";
```

```
        else if(b<a)
```

```
            cout<<"koochek tar"<<"\n";
```

```
        else if(b==a)
```

```

{
    cout<<"shoma barande shodid!!!"<<"\n";
    delay(150);
    initwindow(800,600);
    while (1)
    {
        i=rand()%15+1;
        setcolor(i);
        setfillstyle(1,i);
        x=rand()%800;
        y=rand()%600;
        r=rand()%100+5;
        fillellipse(x,y,r,r);
        delay(100);
    }
    else if(a>200)
        cout<<"adad entekhab shode beyn 0 ta 200 ast."<<"\n";
}
if(c==7)
    cout<<"game over!!"<<"\n"<<"adad entekhab shode="<<a<<"\n";
getch();
}

```