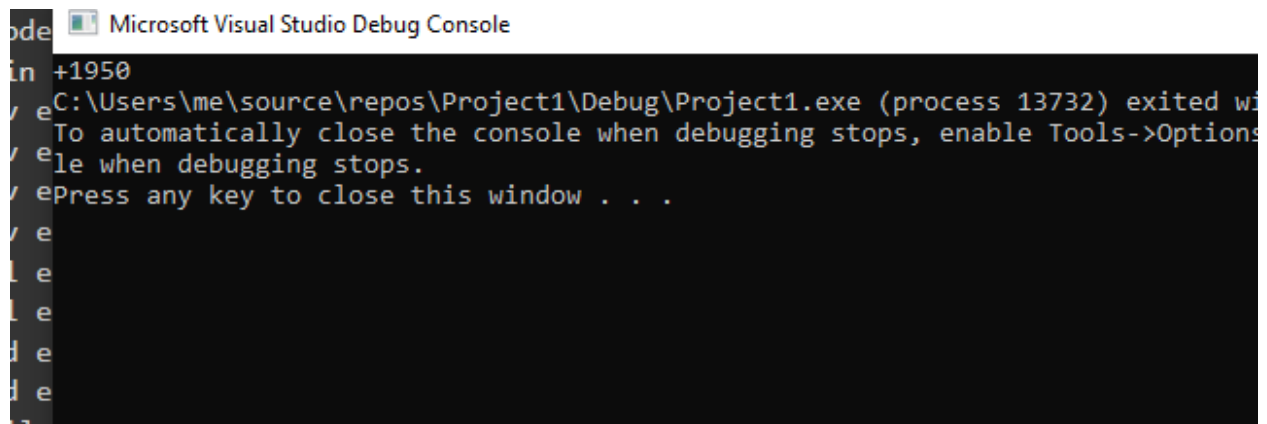

Coal Lab 09

Q1:

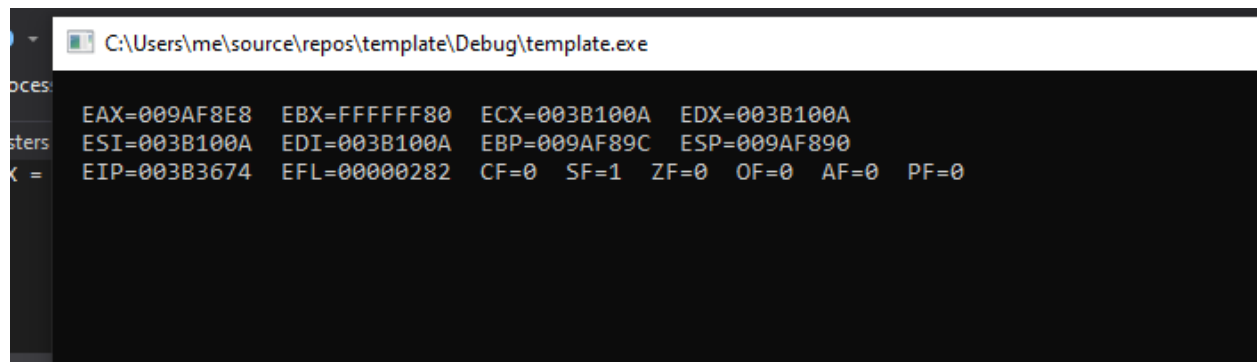
Output:



```
Microsoft Visual Studio Debug Console
in +1950
C:\Users\me\source\repos\Project1\Debug\Project1.exe (process 13732) exited wi
To automatically close the console when debugging stops, enable Tools->Options
le when debugging stops.
Press any key to close this window . . .
```

Q2:

Output:



```
C:\Users\me\source\repos\template\Debug\template.exe
EAX=009AF8E8  EBX=FFFFFFF8  ECX=003B100A  EDX=003B100A
ESI=003B100A  EDI=003B100A  EBP=009AF89C  ESP=009AF890
EIP=003B3674  EFL=00000282  CF=0   SF=1   ZF=0   OF=0   AF=0   PF=0
```

Q3:

Output:

```
Microsoft Visual Studio Debug Console

+26
C:\Users\me\source\repos\Project1\Debug\Project1.exe (process
To automatically close the console when debugging stops, enable
le when debugging stops.
Press any key to close this window . . .
```

Q4:

Output:

```
Microsoft Visual Studio Debug Console

+1
+32768
+1
+32768
C:\Users\me\source\repos\Project1\Debug\Project1.exe
To automatically close the console when debugging stops, enable
le when debugging stops.
Press any key to close this window . . .
```

Q5:

Output:

```
Microsoft Visual Studio Debug Console

EAX=00AA0000  EBX=00D4FFFE  ECX=00B8100A  EDX=00B80000
ESI=00B8100A  EDI=00B8100A  EBP=00AAFC18  ESP=00AAFC0C
EIP=00B8368F  EFL=00000206  CF=0   SF=0   ZF=0   OF=0   AF=0   PF=1

C:\Users\me\source\repos\template\Debug\template.exe (process 6548) exited wi
To automatically close the console when debugging stops, enable Tools->Option
le when debugging stops.
Press any key to close this window . . .
```

Q6:

Output:

```
EAX=5C0EFF99 EBX=00893478 ECX=54879823 EDX=00893478
ESI=00BD100A EDI=00BD100A EBP=00AFF8E8 ESP=00AFF8DC
EIP=00BD368C EFL=00000206 CF=0 SF=0 ZF=0 OF=0 AF=0 PF=1
```

Q7:

Output:

```
the number is prime
8
EAX=00000004 EBX=00000008 ECX=00000004 EDX=00000000
ESI=00DA100A EDI=00DA100A EBP=00D1F7D8 ESP=00D1F7C8
EIP=00DA3697 EFL=00000202 CF=0 SF=0 ZF=0 OF=0 AF=0 PF=0
the number is not prime
2
EAX=00000001 EBX=00000002 ECX=00000001 EDX=00000000
ESI=00DA100A EDI=00DA100A EBP=00D1F7D8 ESP=00D1F7C8
EIP=00DA3697 EFL=00000202 CF=0 SF=0 ZF=0 OF=0 AF=0 PF=0
the number is prime
32
EAX=00000010 EBX=00000020 ECX=00000010 EDX=00000000
ESI=00DA100A EDI=00DA100A EBP=00D1F7D8 ESP=00D1F7C8
EIP=00DA3697 EFL=00000202 CF=0 SF=0 ZF=0 OF=0 AF=0 PF=0
the number is not prime
13
EAX=00000006 EBX=0000000D ECX=00000006 EDX=00000001
ESI=00DA100A EDI=00DA100A EBP=00D1F7D8 ESP=00D1F7C8
EIP=00DA3697 EFL=00000202 CF=0 SF=0 ZF=0 OF=0 AF=0 PF=0
the number is prime
```

Q8:

Output:

```
seti:
m
m
mMsg is hello world
lS7| -åVwYô
C:\Users\me\source\repos\template\Debug\template.ex
ne:To automatically close the console when debugging s
mle when debugging stops.
cPress any key to close this window . . .
c
e
in
```