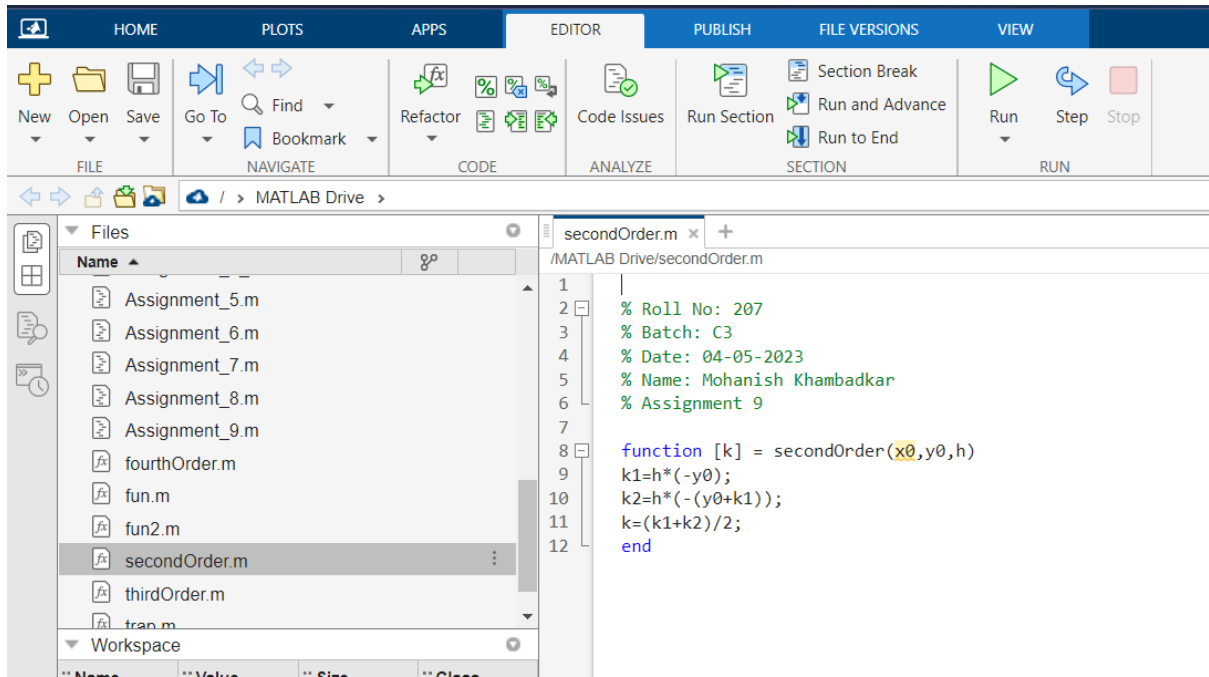
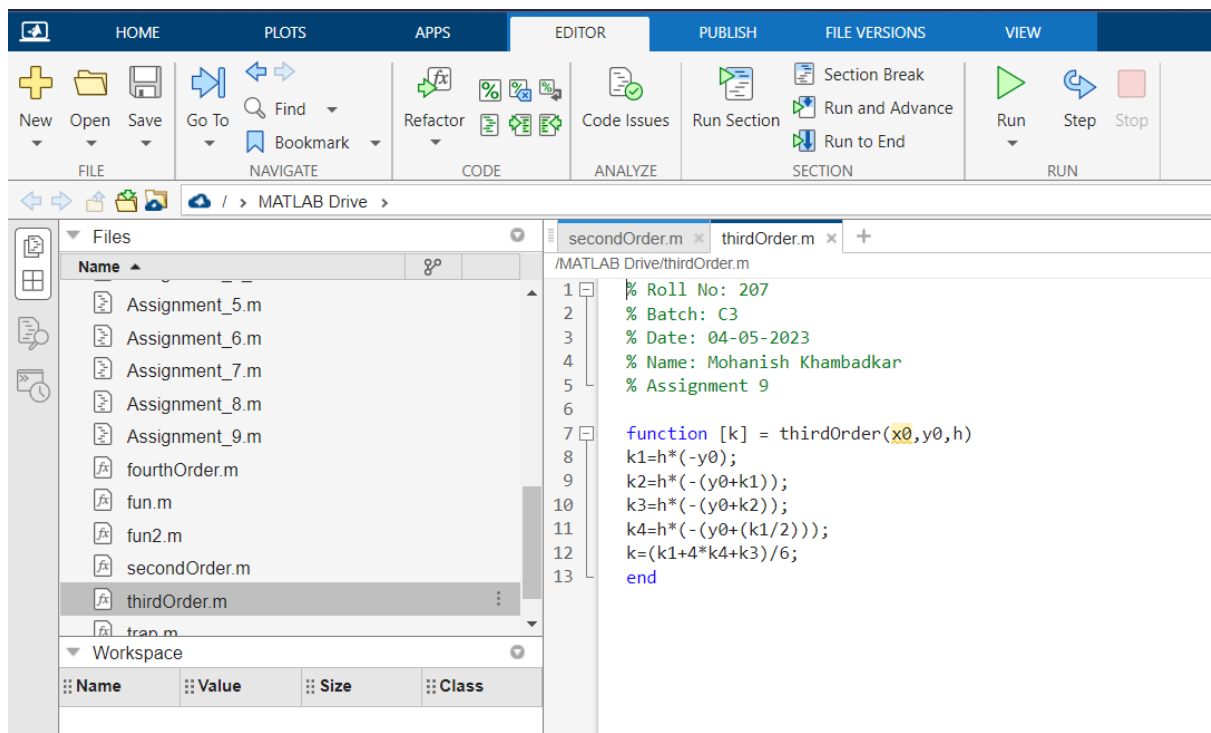


```
% Roll No: 207
% Batch: C3
% Date: 04-05-2023
% Name: Mohanish Khambadkar
% Assignment 9
```

```
function [k] = secondOrder(x0,y0,h)
k1=h*(-y0);
k2=h*(-(y0+k1));
k=(k1+k2)/2;
end
```



```
function [k] = thirdOrder(x0,y0,h)
k1=h*(-y0);
k2=h*(-(y0+k1));
k3=h*(-(y0+k2));
k4=h*(-(y0+(k1/2)));
k=(k1+4*k4+k3)/6;
end
```



```

function [k] = fourthOrder(x0,y0,h)
k1=h*(-y0);
k2=h*(-(y0+(k1/2)));
k3=h*(-(y0+(k2/2)));
k4=h*(-(y0+k3));
k=(k1+2*k2+2*k3+k4)/6;
end

```

