

능력단위 : 그래픽기초

그래픽 프로그램

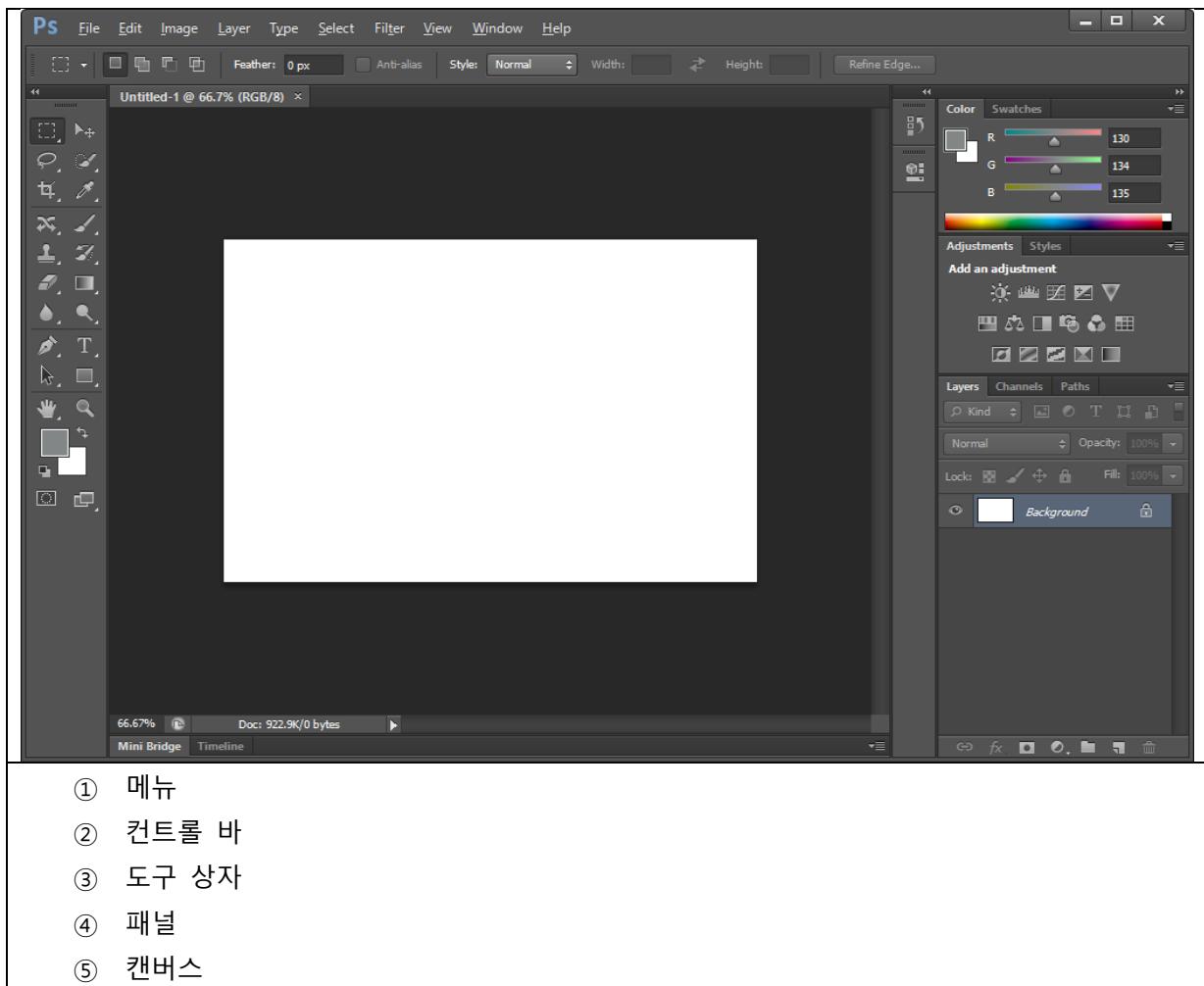
1. 포토샵 : 세계 최고의 이미징 및 그래픽 디자인 소프트웨어인 Photoshop를 사용하면 머릿속 상상을 현실화할 수 있습니다. 사진, 일러스트레이션 및 3D 아트웍을 제작 및 향상 시킬 수 있습니다. 웹 사이트 및 모바일 앱을 디자인할 수 있고, 비디오를 편집하고 실제 페인팅 작업을 시뮬레이션할 수 있습니다. Photoshop은 아이디어를 구현하는 데 필요한 모든 것을 제공합니다.
2. 일러스트레이터 : 최신 기술을 통한 일러스트레이션 제작 업계 표준의 벡터 그래픽 소프트웨어를 사용하면 인쇄, 웹, 동영상 및 모바일에 적합한 로고, 아이콘, 드로잉, 타이포그래피 및 일러스트레이션을 제작할 수 있습니다.

학습 목표

1. 그래픽 활용 프로그램인 포토샵을 사용하여 비트맵 이미지 콘텐츠를 제작할 수 있다.
2. 그래픽 활용 프로그램인 일러스트레이터 사용하여 벡터 이미지 콘텐츠를 제작할 수 있다.

포토샵

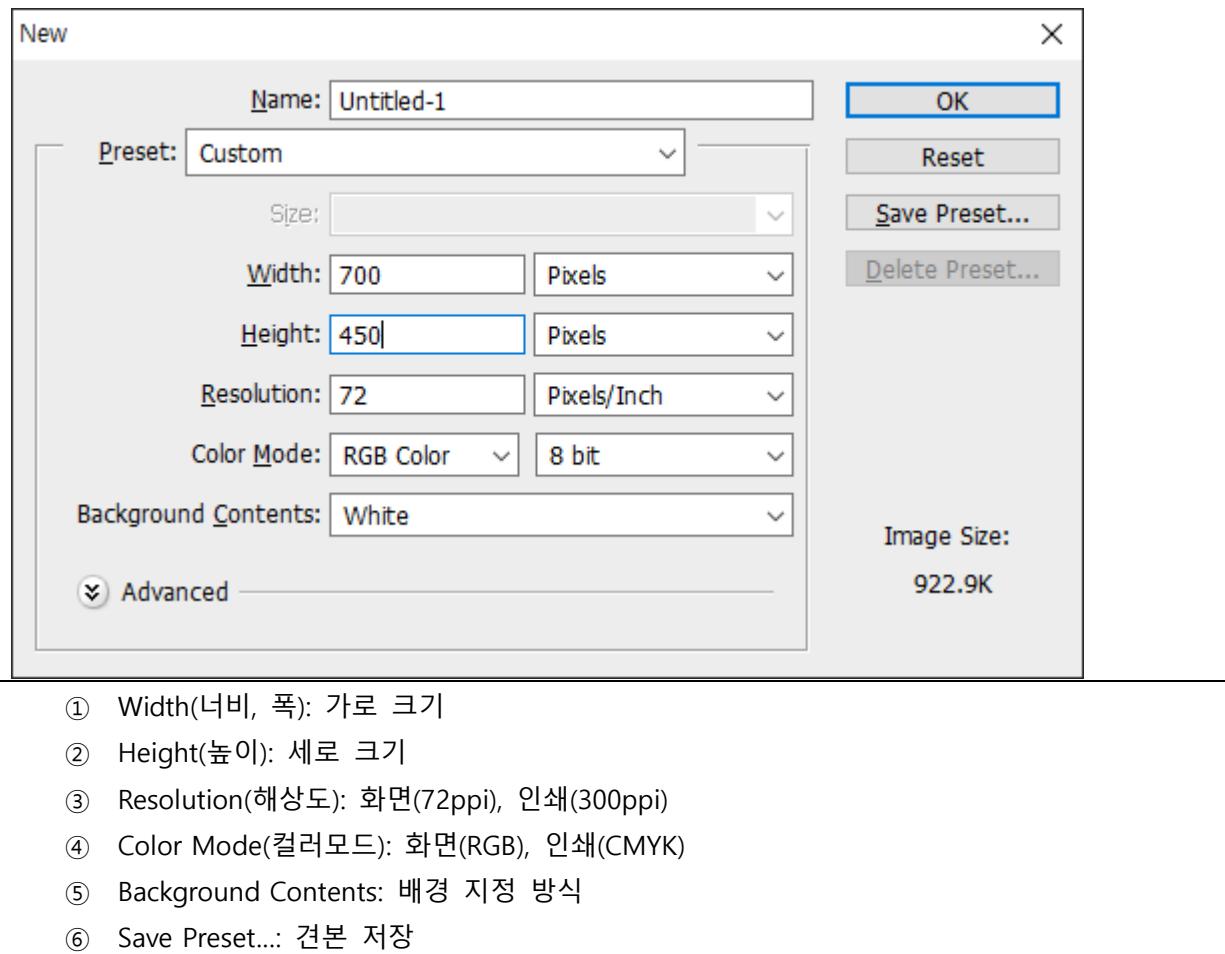
1. 작업영역 살펴보기



Window > Workspace >	
<ul style="list-style-type: none">✓ Essentials (Default)New in CS 6PaintingPhotographyTypography	<ul style="list-style-type: none">① Essentials② Reset Essentials: 초기화
<ul style="list-style-type: none">Reset EssentialsNew Workspace...Delete Workspace...	
Keyboard Shortcuts & Menus...	

2. 새 문서

File > New, Ctrl+N



3. 열기

File > Open, Ctrl+O	Photoshop (*.PSD;*.PDD) Large Document Format (*.PSB) BMP (*.BMP;*, RLE;*, DIB) Camera Raw (*.TIF;*, CRW;*, NEF;*, RAF;*, ORF;*, MRW;*, DCR;*, MOS;*, RAW;*, PE Cineon (*.CIN;*, SDPX;*, DPX;*, FIDÖ) CompuServe GIF (*.GIF) Photoshop EPS (*.EPS) Photoshop DCS 1.0 (*.EPS) Photoshop DCS 2.0 (*.EPS) EPS TIFF Preview (*.EPS) Generic EPS (*.AI3;*, AI4;*, AI5;*, AI6;*, AI7;*, AI8;*, PS;*, EPS;*, AI;*, EPSF;*, EPSP) IFF Format (*.IFF;*, TDI) JPEG (*.JPG;*, JPEG;*, JPE) JPEG 2000 (*.JPF;*, JPX;*, JP2;*, J2C;*, J2K;*, JPC) JPEG Stereo (*.JPS) Multi-Picture Format (*.MPO) OpenEXR (*.EXR) PCX (*.PCX) Photoshop PDF (*.PDF;*, PDP) Photoshop Raw (*.RAW) PICT File (*.PCT;*, PICT) Pixar (*.PXR) PNG (*.PNG;*, PNS) Portable Bit Map (*.PBM;*, PGM;*, PPM;*, PNM;*, PFM;*, PAM) Radiance (*.HDR;*, RGBE;*, XYZ) Scitex CT (*.SCT) Targa (*.TGA;*, VDA;*, ICB;*, VST) TIFF (*.TIF;*, TIFF) Wireless Bitmap (*.WBM;*, WBMP) All Formats
File > Place...	Photoshop (*.PSD;*.PDD) Large Document Format (*.PSB) BMP (*.BMP;*, RLE;*, DIB) Camera Raw (*.TIF;*, CRW;*, NEF;*, RAF;*, ORF;*, MRW;*, DCR;*, MOS;*, RAW;*, PE Cineon (*.CIN;*, SDPX;*, DPX;*, FIDÖ) CompuServe GIF (*.GIF) Photoshop EPS (*.EPS) Photoshop DCS 1.0 (*.EPS) Photoshop DCS 2.0 (*.EPS) EPS TIFF Preview (*.EPS) Generic EPS (*.AI3;*, AI4;*, AI5;*, AI6;*, AI7;*, AI8;*, PS;*, EPS;*, AI;*, EPSF;*, EPSP) IFF Format (*.IFF;*, TDI) JPEG (*.JPG;*, JPEG;*, JPE) JPEG 2000 (*.JPF;*, JPX;*, JP2;*, J2C;*, J2K;*, JPC) JPEG Stereo (*.JPS) Multi-Picture Format (*.MPO) OpenEXR (*.EXR) PCX (*.PCX) Photoshop PDF (*.PDF;*, PDP) Photoshop Raw (*.RAW) PICT File (*.PCT;*, PICT) Pixar (*.PXR) PNG (*.PNG;*, PNS) Portable Bit Map (*.PBM;*, PGM;*, PPM;*, PNM;*, PFM;*, PAM) Radiance (*.HDR;*, RGBE;*, XYZ) Scitex CT (*.SCT) Targa (*.TGA;*, VDA;*, ICB;*, VST) TIFF (*.TIF;*, TIFF) Wireless Bitmap (*.WBM;*, WBMP) All Formats

4. 창 배치

Window > Arrange	<p>① Consolidate All to Tabs: 모든 창을 Tab으로 ② Float All in Windows: 모든 창을 Float으로</p>
<ul style="list-style-type: none"><input type="checkbox"/> Tile All Vertically<input type="checkbox"/> Tile All Horizontally<input type="checkbox"/> 2-up Horizontal<input type="checkbox"/> 2-up Vertical<input type="checkbox"/> 3-up Horizontal<input type="checkbox"/> 3-up Vertical<input type="checkbox"/> 3-up Stacked<input type="checkbox"/> 4-up<input type="checkbox"/> 6-up<input checked="" type="checkbox"/> Consolidate All to Tabs <hr/> <ul style="list-style-type: none">CascadeTileFloat in WindowFloat All in Windows <hr/> <ul style="list-style-type: none">Match ZoomMatch LocationMatch RotationMatch All <hr/> <ul style="list-style-type: none">New Window for Untitled-1	

5. 작업 저장

File > Save, Ctrl+S	<p>Photoshop (*.PSD;*.PDD)</p>
File > Save As, Ctrl+Shift+S	<p>Large Document Format (*.PSB) BMP (*.BMP;*,RLE;*,DIB) CompuServe GIF (*.GIF) Photoshop EPS (*.EPS) Photoshop DCS 1.0 (*.EPS) Photoshop DCS 2.0 (*.EPS) IFF Format (*.IFF;*,TDI) JPEG (*.JPG;*,JPEG;*,JPE) JPEG 2000 (*.JP2;*,JPX;*,JP2;*,J2C;*,J2K;*,JPC) JPEG Stereo (*.JPS) Multi-Picture Format (*.MPO) PCX (*.PCX) Photoshop PDF (*.PDF;*,PDP) Photoshop Raw (*.RAW) Pixar (*.PXR) PNG (*.PNG;*,PNS) Portable Bit Map (*.PBM;*,PGM;*,PPM;*,PNM;*,PFM;*,PAM) Scitex CT (*.SCT) Targa (*.TGA;*,VDA;*,ICB;*,VST) TIFF (*.TIF;*,TIFF)</p>

6. 화면 확대/축소 및 패닝 방법

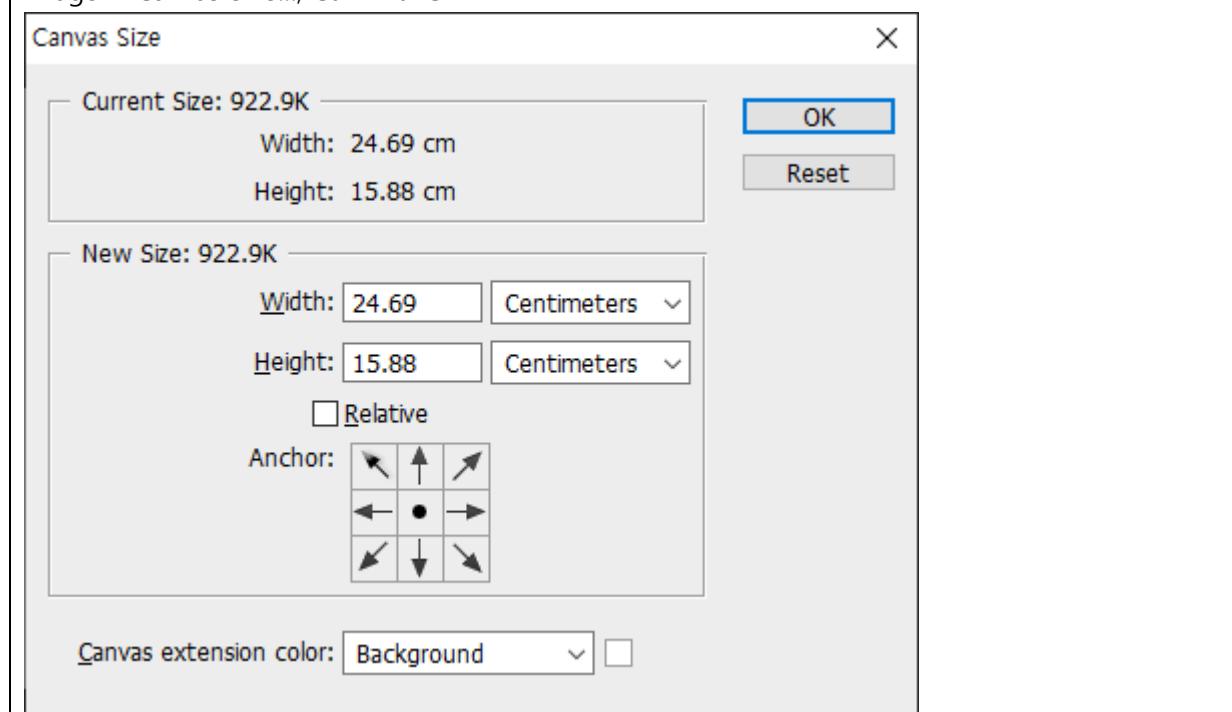
Zoom In	Ctrl++	① 화면 확대: Ctrl+Spacebar+클릭(드래그) ② 화면 축소: Ctrl+Alt+Spacebar+클릭(드래그)
Zoom Out	Ctrl+-	
Fit on Screen	Ctrl+0	
Actual Pixels	Ctrl+1	
Print Size		

7. 눈금자/가이드

View >	Rulers	Ctrl+R	단위 변경 가이드 생성
View >	Lock Guides	Alt+Ctrl+;	가이드 잠금/풀기
	Clear Guides		가이드 제거
	New Guide...		
View > Guides	Grid	Ctrl+'	가이드 보이기/숨기기
	Guides	Ctrl+;	
	Smart Guides		

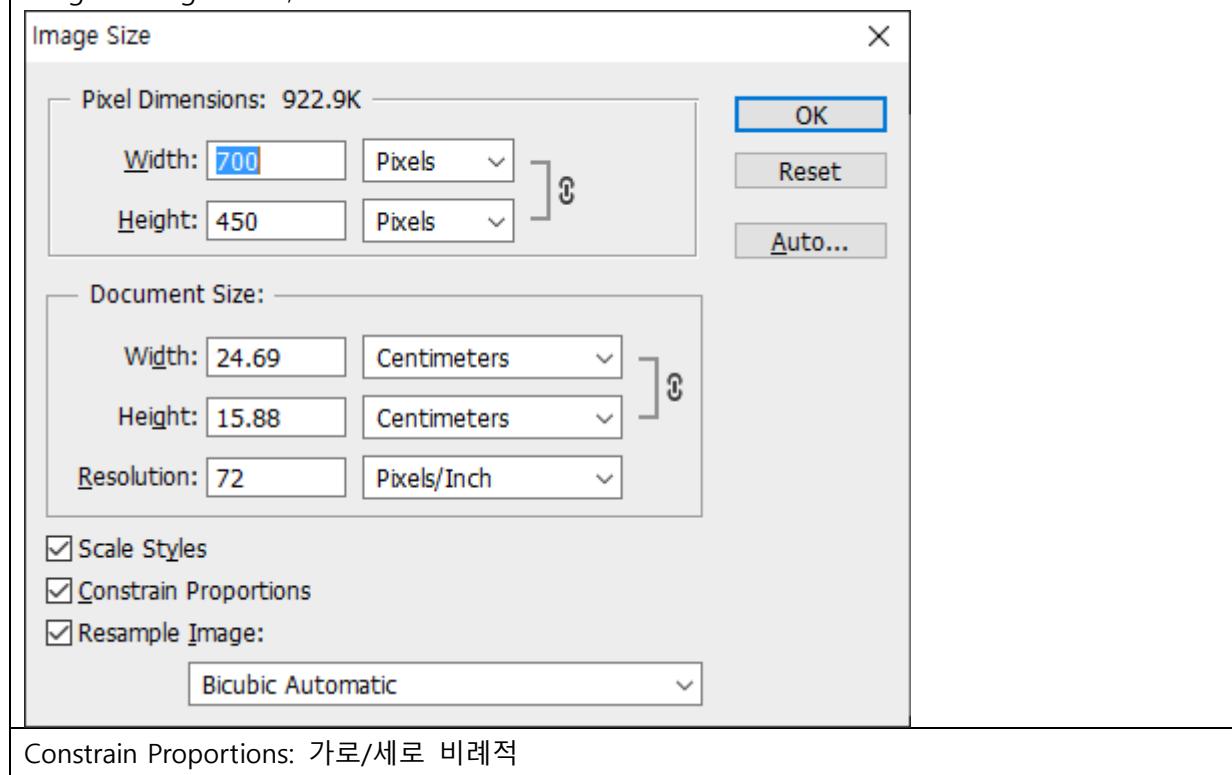
8. 캔버스 확장/축소

Image > Canvas Size..., Ctrl+Alt+C

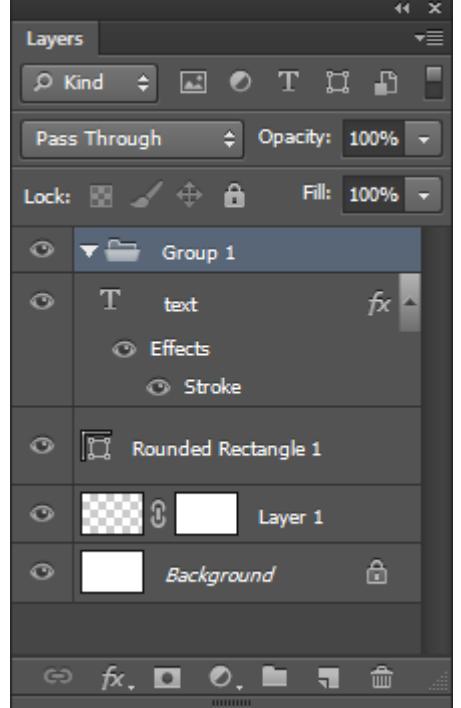


9. 이미지 크기 조정

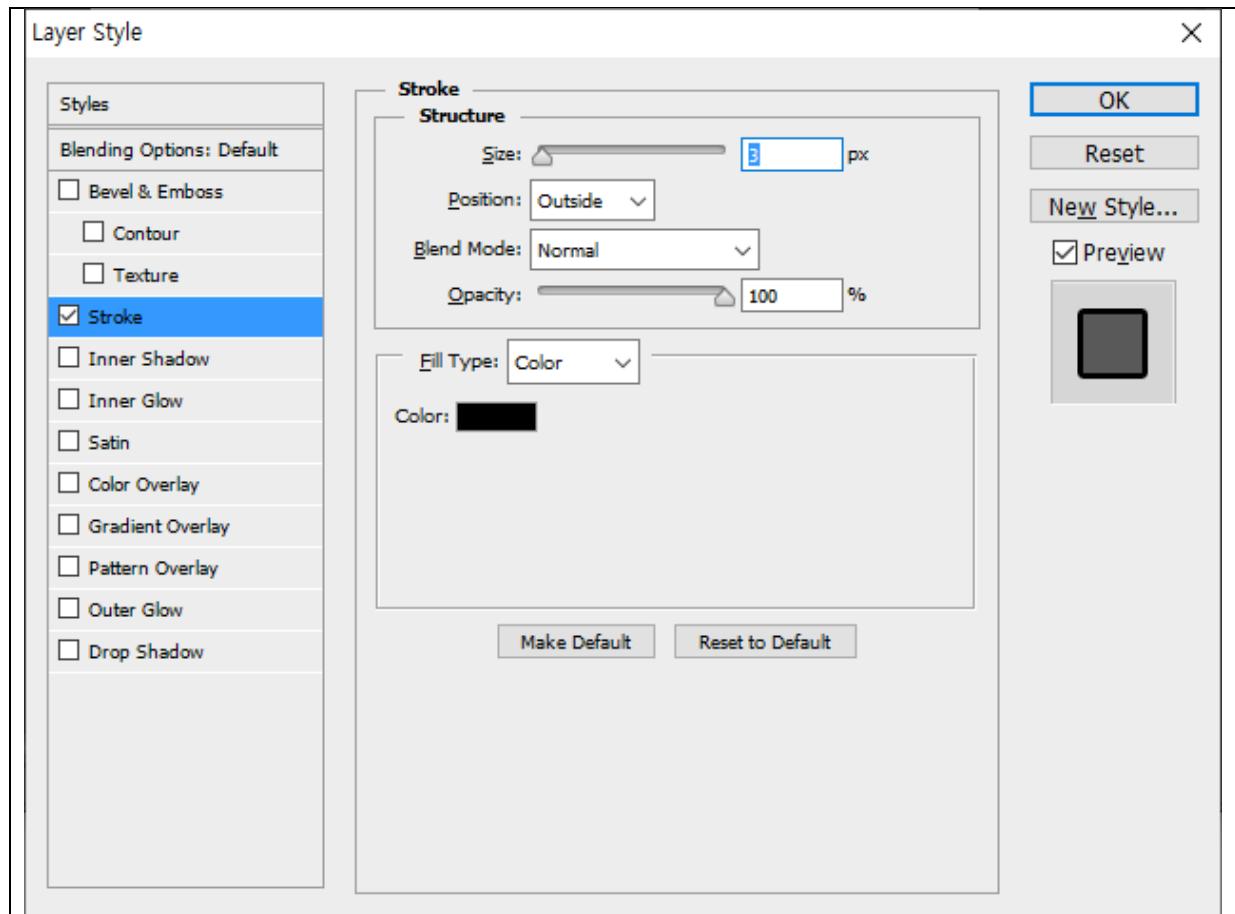
Image > Image Size..., Ctrl+Alt+i



10. 레이어를 사용하여 작업

	<ul style="list-style-type: none">① Pass Through: 합성 방식(Blending Mode)② Opacity(불투명도): 0(투명) ~ 100(불투명)③ Lock Transparent Pixels: 투명 영역 잠금④ Fill: Layer Style에는 적용되지 않는다.⑤ Visibility: 보이기/숨기기, Alt⑥ Thumbnail: Ctrl+클릭하면 Load Selection 된다.⑦ Layer Style(fx)⑧ Layer Mask⑨ New Group: Ctrl+G/Ctrl+Shift+G⑩ New Layer: Ctrl+클릭하면 아래 생성된다.⑪ Delete Layer: Delete키⑫ 레이어 선택: Shift(연속 선택), Ctrl(비 연속 선택)⑬ 레이어 이동: Ctrl+[], Ctrl+Shift+[]
<p>Layer > New ></p> <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"><ul style="list-style-type: none">Layer... Shift+Ctrl+NLayer from Background...Group...Group from Layers... Layer Via Copy Ctrl+JLayer Via Cut Shift+Ctrl+J</div>	<ul style="list-style-type: none">① 배경 레이어를 일반 레이어로② 레이어 복제

11. 레이어 스타일



12. 선택 하기

<ul style="list-style-type: none"> ▪ Rectangular Marquee Tool M ▪ Elliptical Marquee Tool M ▪ Single Row Marquee Tool ▪ Single Column Marquee Tool 	사각형 타원(원)						
<ul style="list-style-type: none"> ▪ Lasso Tool L ▪ Polygonal Lasso Tool L ▪ Magnetic Lasso Tool L 	임의의 모양 다각형						
<ul style="list-style-type: none"> ▪ Quick Selection Tool W ▪ Magic Wand Tool W 	빠른 선택						
<p>Select ></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">All</td> <td style="padding: 2px;">Ctrl+A</td> <td style="padding: 2px;">전체 선택</td> </tr> <tr> <td style="padding: 2px;">Deselect</td> <td style="padding: 2px;">Ctrl+D</td> <td style="padding: 2px;">선택 해제</td> </tr> </table>	All	Ctrl+A	전체 선택	Deselect	Ctrl+D	선택 해제	
All	Ctrl+A	전체 선택					
Deselect	Ctrl+D	선택 해제					

Rectangular Marquee Tool

Styles

- Normal: 임의 크기
- Fixed Size: 고정 크기

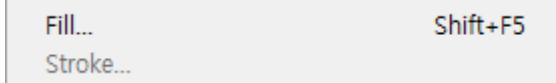
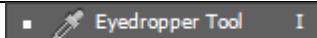
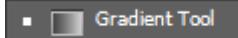
Elliptical Marquee Tool

Anti-alias: 계단 현상 제거

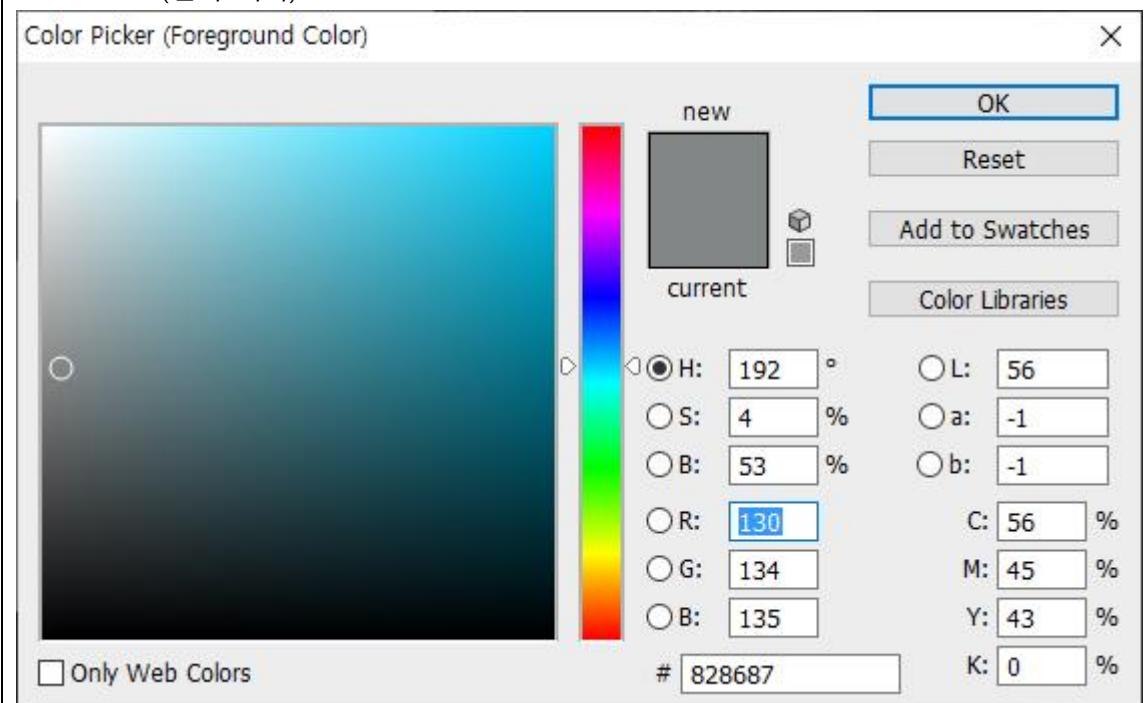
13. 명령 실행 취소

<p>Edit ></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Undo</td><td style="padding: 2px;">Ctrl+Z</td><td style="padding: 2px;">① 취소</td></tr> <tr> <td style="padding: 2px;">Step Forward</td><td style="padding: 2px;">Shift+Ctrl+Z</td><td style="padding: 2px;">② 한 단계 앞으로</td></tr> <tr> <td style="padding: 2px;">Step Backward</td><td style="padding: 2px;">Alt+Ctrl+Z</td><td style="padding: 2px;">③ 한 단계 뒤로</td></tr> </table>	Undo	Ctrl+Z	① 취소	Step Forward	Shift+Ctrl+Z	② 한 단계 앞으로	Step Backward	Alt+Ctrl+Z	③ 한 단계 뒤로	
Undo	Ctrl+Z	① 취소								
Step Forward	Shift+Ctrl+Z	② 한 단계 앞으로								
Step Backward	Alt+Ctrl+Z	③ 한 단계 뒤로								

14. 색 사용

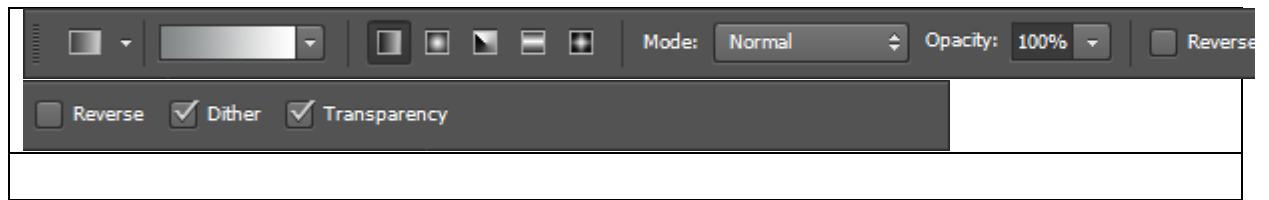
	<ul style="list-style-type: none">① Foreground Color(전경색): Alt+Del② Background Color(배경색): Ctrl+Del③ Switch Foreground and Background Colors: 전경색과 배경색 바꾸기④ Default Foreground and Background Colors: 기본값
Edit >   Eyedropper Tool  Gradient Tool	면 색 선 색 색 추출 그라디언트 색 지정

Color Picker(컬러 피커)



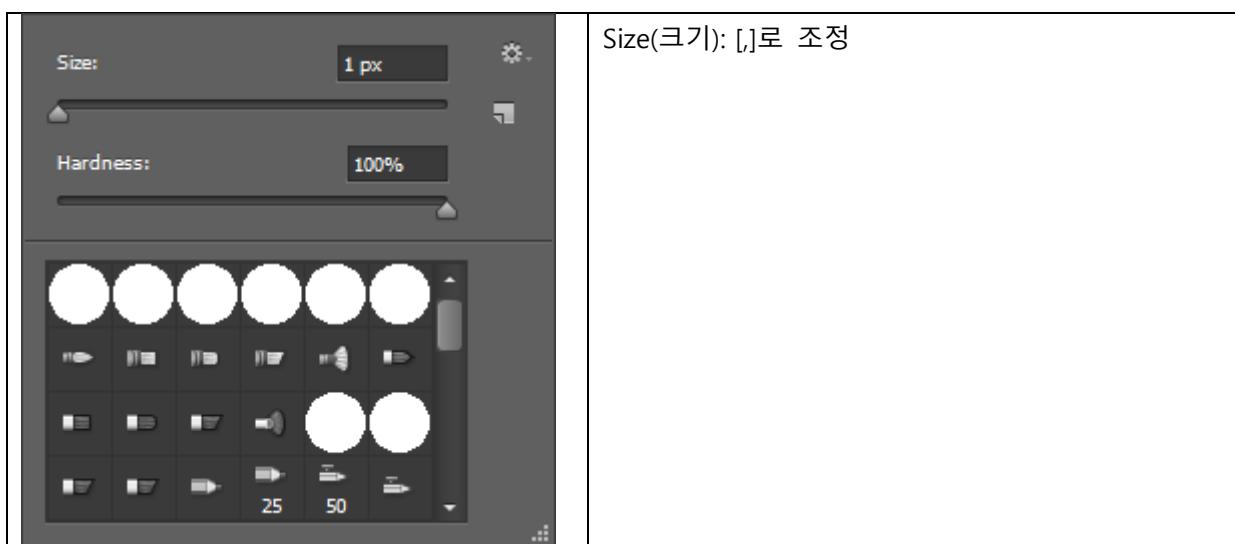
- ① Hue(색상): 0 ~ 360
- ② Saturation(채도): 0 ~ 100
- ③ Brightness(명도): 0 ~ 100
- ④ Red/Green/Blue: 0 ~ 255
- ⑤ #000000 ~ FFFFFF (16진수)
- ⑥ Cyan/Magenta/Yellow/Black: 0 ~ 100

Gradient Tool



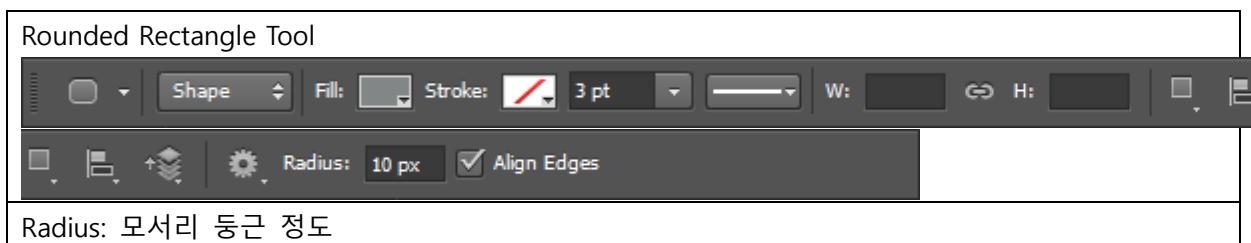
15. 선 그리기

Brush Tool	B		연필 도구:
Pencil Tool	B		
Color Replacement Tool	B		
Mixer Brush Tool	B		

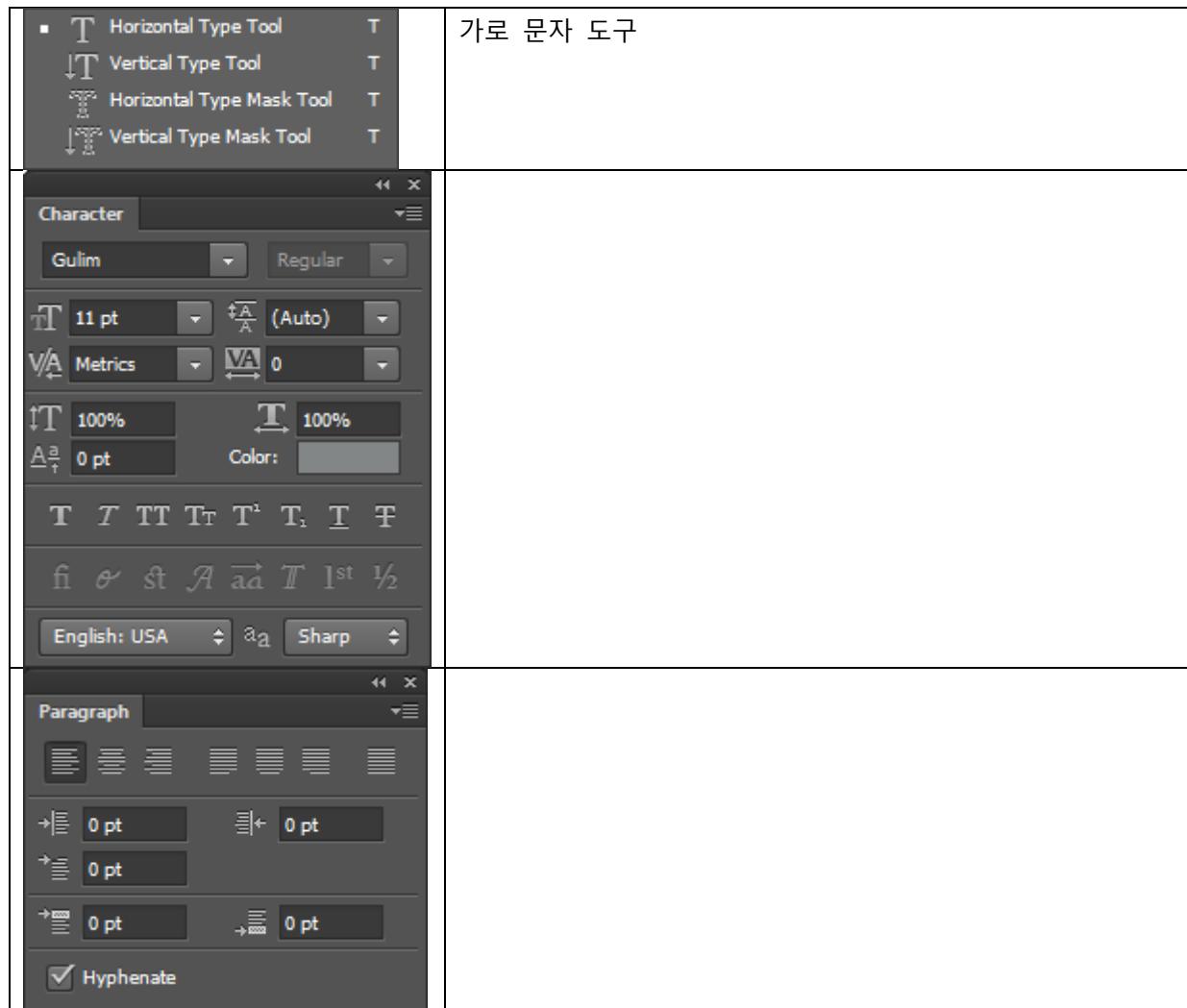


16. 도형 그리기

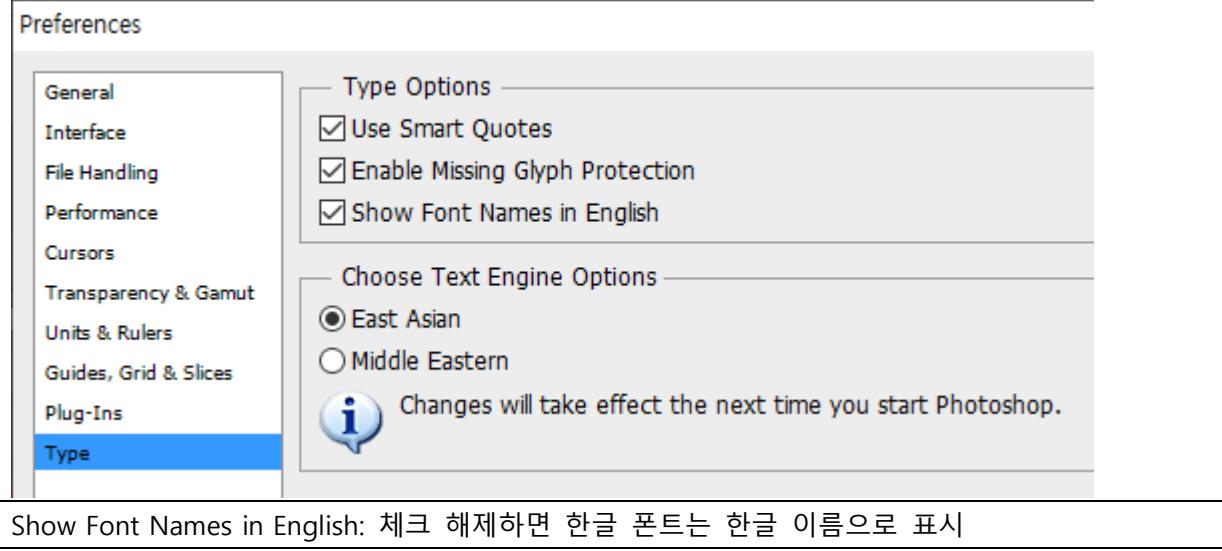
Rectangle Tool	U	둥근 사각형
Rounded Rectangle Tool	U	
Ellipse Tool	U	
Polygon Tool	U	
Line Tool	U	
Custom Shape Tool	U	



17. 텍스트 추가 / 편집



Edit > Preferences > Type



18. [예시1]

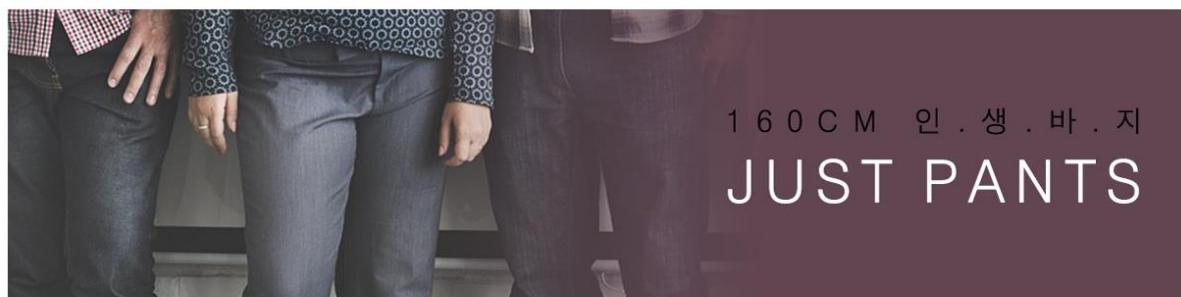
JUST 쇼핑몰

탑

아우터

팬츠

악세서리



160CM 인.생.바.지
JUST PANTS

공지사항 [갤러리](#)

맞춤 플랜을 제안하는 크리에이티브... 2019.03.20
JUST 쇼핑몰과 함께 하실 가슴 따뜻한... 2019.05.15
코리아웨딩페어 결혼박람회가 열립니다. 2019.07.13
마진없이 아낌없이 드리는 마지막 찬스! 2019.09.28

DRESS
1+1
보러가기

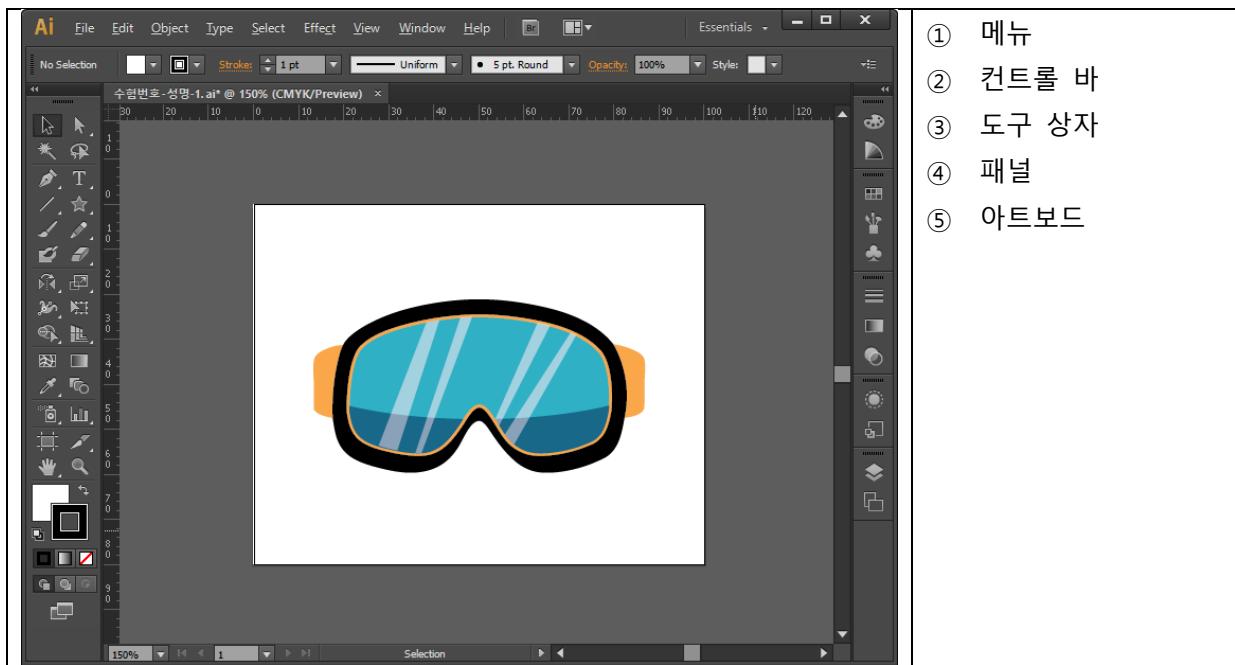
모바일 앱 설치시 무료 배송 쿠폰을 드립니다.
[앱 설치 바로가기](#)

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트위터 | 페이스북 | 인스타그램

일러스트레이터

1. 작업영역 살펴보기



Window > Workspace

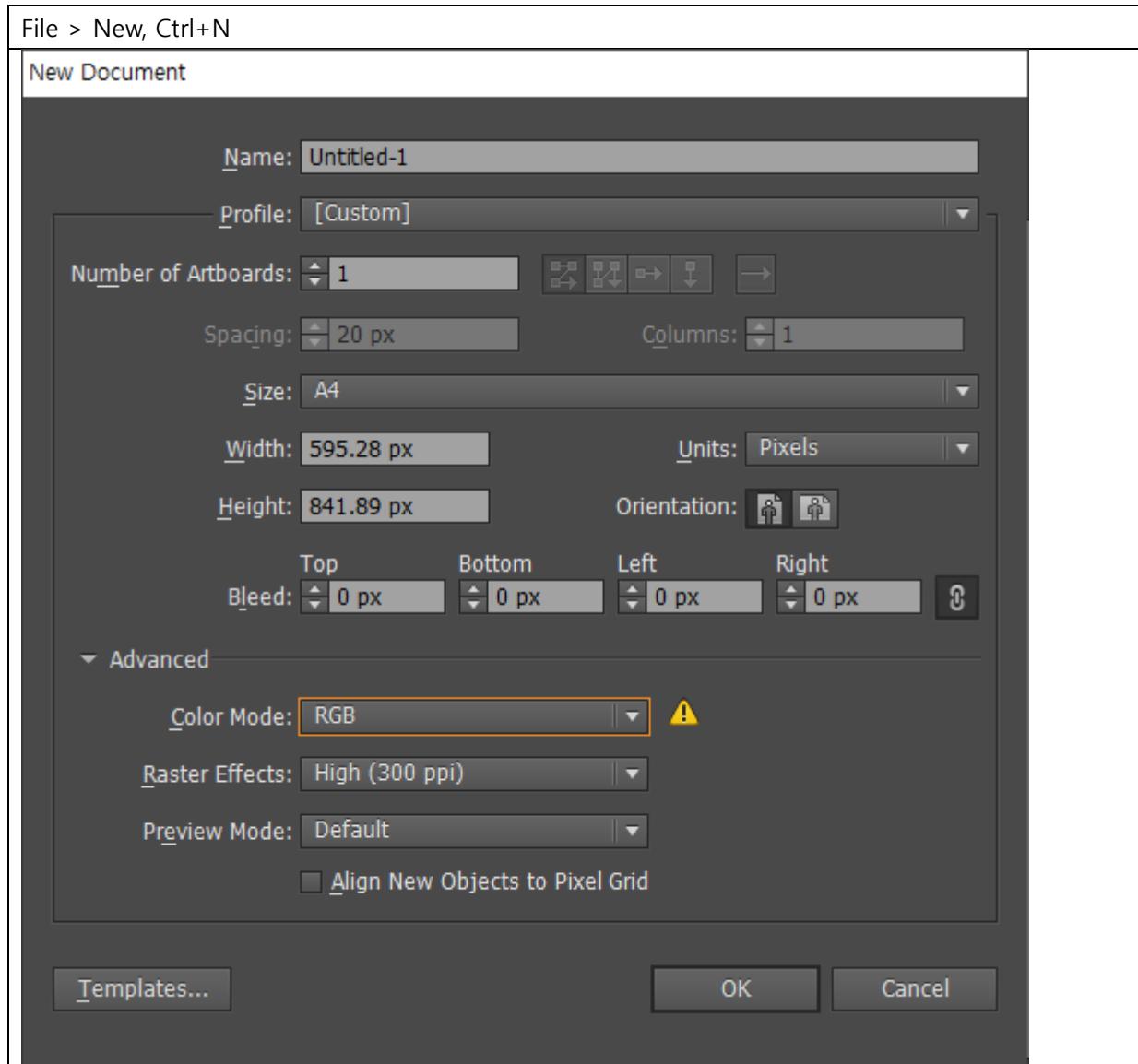
The 'Workspace' menu list includes:

- ✓ user
- Automation
- Essentials
- Layout
- Painting
- Printing and Proofing
- Tracing
- Typography
- Web
- Reset user
- New Workspace...
- Manage Workspaces...

① Reset: 초기화
② New Workspace...: 새 작업 영역
③ Manage Workspaces...: 작업 영역 관리

2. 새 문서 만들기

File > New, Ctrl+N



3. 열기

File > Open..., Ctrl+O	All Formats All Formats Adobe FXG (*.FXG) Adobe Idea File (*.IDEA) Adobe Illustrator (*.AI, *.AIT) Adobe PDF (*.AI, *.AIT, *.PDF) AutoCAD Drawing (*.DWG) AutoCAD Interchange File (*.DXF) BMP (*.BMP, *, *.RLE, *.DIB) Computer Graphics Metafile (*.CGM) CorelDRAW 5,6,7,8,9,10 (*.CDR) Encapsulated PostScript (*.EPS, *, *.EPSF, *, *.PS) Enhanced Metafile (*.EMF) GIF89a (*.GIF) Illustrator EPS (*.EPS, *, *.EPSF, *, *.PS) JPEG (*.JPG, *, *.JPE, *, *.JPEG) JPEG2000 (*.JPF, *, *.JPX, *, *.JP2, *, *.J2K, *, *.J2C, *, *.JPC) Macintosh PICT (*.PIC, *, *.PCT) Microsoft RTF (*.RTF) Microsoft Word (*.DOC) Microsoft Word DOCX (*.DOCX) PCX (*.PCX) Photoshop (*.PSD, *, *.PDD) Pixar (*.PXR) PNG (*.PNG, *, *.PNS) SVG (*.SVG) SVG Compressed (*.SVGZ) Targa (*.TGA, *, *.VDA, *, *.ICB, *, *.VST) Text (*.TXT) TIFF (*.TIF, *, *.TIFF) Windows Metafile (*.WMF)
File > Place...	All Formats All Formats Adobe FXG (*.FXG) Adobe Illustrator (*.AI, *.AIT) Adobe PDF (*.AI, *.AIT, *.PDF) AutoCAD Drawing (*.DWG) AutoCAD Interchange File (*.DXF) BMP (*.BMP, *, *.RLE, *.DIB) Computer Graphics Metafile (*.CGM) CorelDRAW 5,6,7,8,9,10 (*.CDR) Encapsulated PostScript (*.EPS, *, *.EPSF, *, *.PS) Enhanced Metafile (*.EMF) GIF89a (*.GIF) JPEG (*.JPG, *, *.JPE, *, *.JPEG) JPEG2000 (*.JPF, *, *.JPX, *, *.JP2, *, *.J2K, *, *.J2C, *, *.JPC) Macintosh PICT (*.PIC, *, *.PCT) Microsoft RTF (*.RTF) Microsoft Word (*.DOC) Microsoft Word DOCX (*.DOCX) PCX (*.PCX) Photoshop (*.PSD, *, *.PDD) Pixar (*.PXR) PNG (*.PNG, *, *.PNS) SVG (*.SVG) SVG Compressed (*.SVGZ) Targa (*.TGA, *, *.VDA, *, *.ICB, *, *.VST) Text (*.TXT) TIFF (*.TIF, *, *.TIFF) Windows Metafile (*.WMF)

4. 작업 저장

File > Save, Ctrl+S	Adobe Illustrator (*.AI) Adobe FXG (*.FXG) Adobe Illustrator (*.AI) Adobe PDF (*.PDF) Illustrator EPS (*.EPS) Illustrator Template (*.AIT) SVG (*.SVG) SVG Compressed (*.SVGZ)	
File > Expert	PNG (*.PNG) AutoCAD Drawing (*.DWG) AutoCAD Interchange File (*.DXF) BMP (*.BMP) Enhanced Metafile (*.EMF) Flash (*.SWF) JPEG (*.JPG) Macintosh PICT (*.PCT) Photoshop (*.PSD) PNG (*.PNG) Targa (*.TGA) Text Format (*.TXT) TIFF (*.TIF) Windows Metafile (*.WMF)	

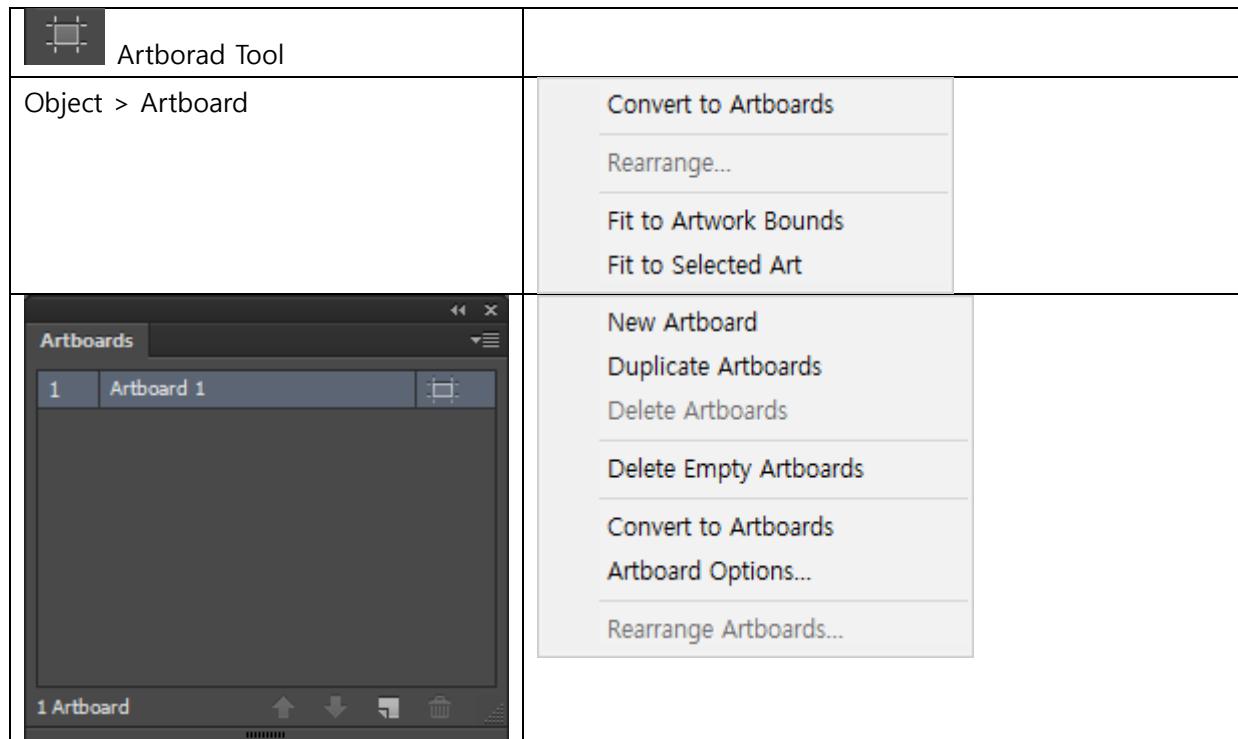
5. 화면 확대/축소 및 패닝 방법

View >	Zoom In Zoom Out Fit Artboard in Window Fit All in Window Actual Size	Ctrl++ Ctrl-- Ctrl+0 Alt+Ctrl+0 Ctrl+1	① 화면 확대: Spacebar+Ctrl+클릭(드래그) ② 화면 축소: Spacebar+Ctrl+Alt+클릭(드래그) ③ 화면 이동: Space bar
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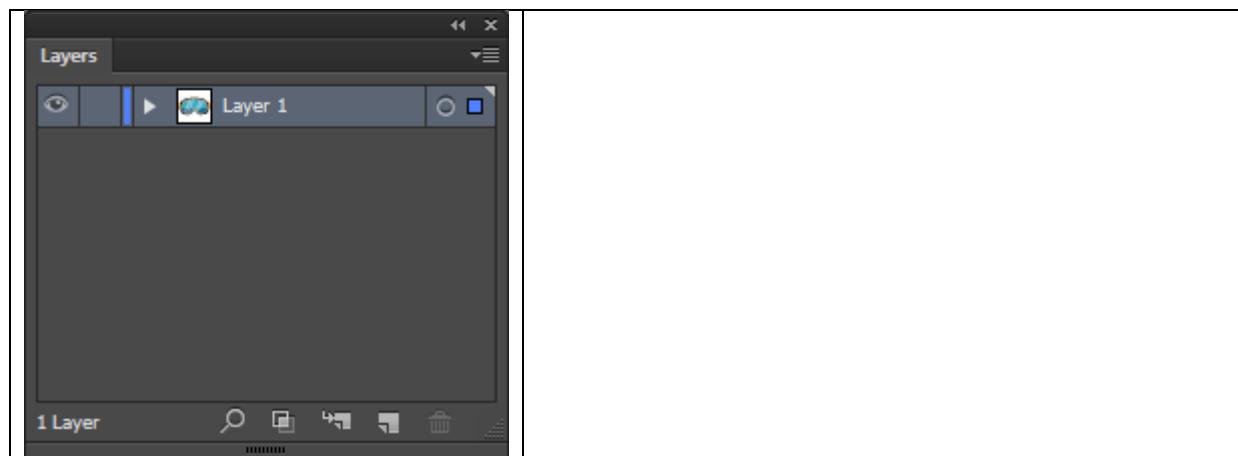
6. 눈금자/가이드

View > Rulers > Hide/Show Rulers, Ctrl+R	<p>① 가이드 생성 ② 단위 변경</p> <ul style="list-style-type: none">PointsPicasInches✓ MillimetersCentimetersHaPixels <hr/> <p>Change to Global Rulers</p>										
View > Guides	<table><tr><td>Hide Guides</td><td>Ctrl+;</td></tr><tr><td>Lock Guides</td><td>Alt+Ctrl+;</td></tr><tr><td>Make Guides</td><td>Ctrl+5</td></tr><tr><td>Release Guides</td><td>Alt+Ctrl+5</td></tr><tr><td>Clear Guides</td><td></td></tr></table>	Hide Guides	Ctrl+;	Lock Guides	Alt+Ctrl+;	Make Guides	Ctrl+5	Release Guides	Alt+Ctrl+5	Clear Guides	
Hide Guides	Ctrl+;										
Lock Guides	Alt+Ctrl+;										
Make Guides	Ctrl+5										
Release Guides	Alt+Ctrl+5										
Clear Guides											

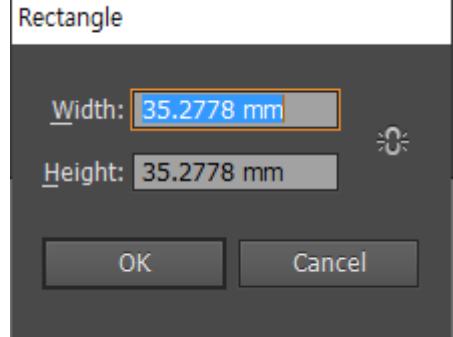
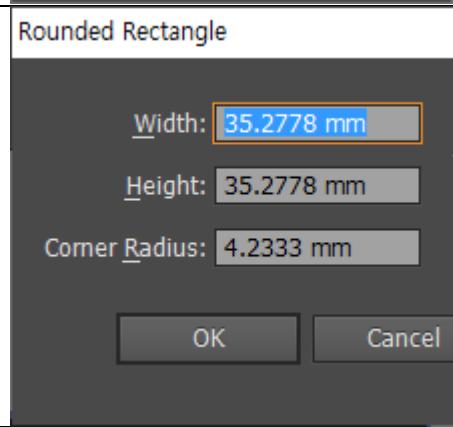
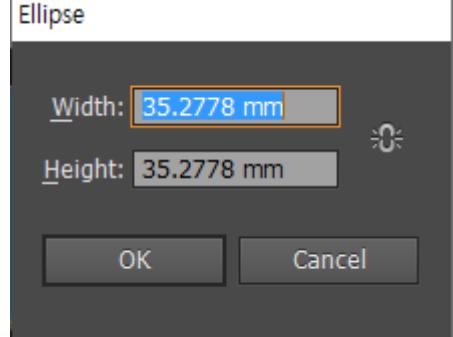
7. 아트보드(Artboard)



8. 레이어 패널



9. 모양 그리기

<ul style="list-style-type: none">■ <input type="checkbox"/> Rectangle Tool (N)<input type="checkbox"/> Rounded Rectangle Tool<input type="checkbox"/> Ellipse Tool (L)<input type="checkbox"/> Polygon Tool<input type="checkbox"/> Star Tool<input checked="" type="checkbox"/> Flare Tool	<p>사각형 둥근 사각형 타원 다각형 별</p>
	
	Corner Radius: 위/아래 방향키
	

<p>Polygon</p> <p>Radius: 17.6389 mm</p> <p>Sides: 6</p> <p>OK Cancel</p>	<p>Sides: 위/아래 방향키</p>
<p>Star</p> <p>Radius 1: 8.8194 mm</p> <p>Radius 2: 17.6389 mm</p> <p>Points: 5</p> <p>OK Cancel</p>	<p>Points: 위/아래 방향키 R1,R2 차이: Ctrl</p>
<p>공통 사항</p>	<p>가로/세로 비례적: Shift 중심에서 그리기: Alt</p>

10. 개체 선택/이동/복사

 Selection Tool	하나의 개체 선택: 클릭 여러 개체 선택: 드래그 또는 Shift+클릭 개체 이동: 드래그 개체 복사: Alt+드래그												
 Direct Selection Tool (A)  Group Selection Tool	점(Point) 또는 선분(Segment) 수정 그룹 개체 선택												
Object > <table> <tr><td>Group</td><td>Ctrl+G</td></tr> <tr><td>Ungroup</td><td>Shift+Ctrl+G</td></tr> <tr><td>Lock</td><td>></td></tr> <tr><td>Unlock All</td><td>Alt+Ctrl+2</td></tr> <tr><td>Hide</td><td>></td></tr> <tr><td>Show All</td><td>Alt+Ctrl+3</td></tr> </table>	Group	Ctrl+G	Ungroup	Shift+Ctrl+G	Lock	>	Unlock All	Alt+Ctrl+2	Hide	>	Show All	Alt+Ctrl+3	개체 그룹 개체 그룹 해제 개체 잠금, Ctrl+2 개체 모두 잠금 해제 개체 숨김, Ctrl+3 개체 모두 보임
Group	Ctrl+G												
Ungroup	Shift+Ctrl+G												
Lock	>												
Unlock All	Alt+Ctrl+2												
Hide	>												
Show All	Alt+Ctrl+3												
Object > Clipping Mask <table> <tr><td>Make</td><td>Ctrl+7</td></tr> <tr><td>Release</td><td>Alt+Ctrl+7</td></tr> <tr><td>Edit Mask</td><td></td></tr> </table>	Make	Ctrl+7	Release	Alt+Ctrl+7	Edit Mask		클리핑 마스크 클리핑 마스크 만들기 클리핑 마스크 풀기						
Make	Ctrl+7												
Release	Alt+Ctrl+7												
Edit Mask													
Select > <table> <tr><td>All</td><td>Ctrl+A</td></tr> </table>	All	Ctrl+A	개체를 전체 선택										
All	Ctrl+A												

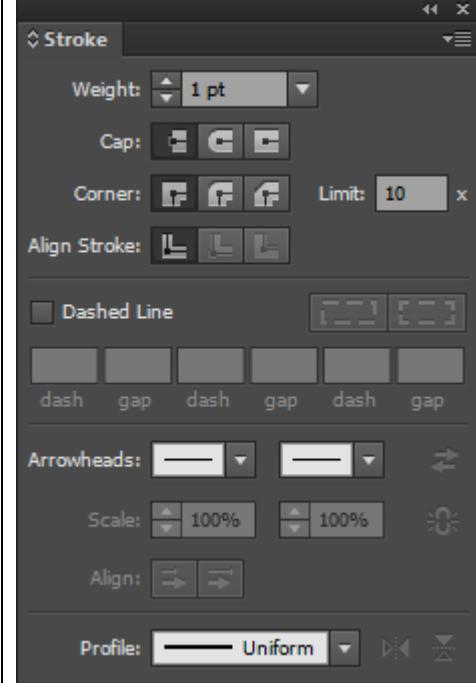
11. 개체 편집

Edit > <table> <tr><td>Undo Paint Style</td><td>Ctrl+Z</td></tr> <tr><td>Redo</td><td>Shift+Ctrl+Z</td></tr> <tr><td>Cut</td><td>Ctrl+X</td></tr> <tr><td>Copy</td><td>Ctrl+C</td></tr> <tr><td>Paste</td><td>Ctrl+V</td></tr> <tr><td>Paste in Front</td><td>Ctrl+F</td></tr> <tr><td>Paste in Back</td><td>Ctrl+B</td></tr> </table>	Undo Paint Style	Ctrl+Z	Redo	Shift+Ctrl+Z	Cut	Ctrl+X	Copy	Ctrl+C	Paste	Ctrl+V	Paste in Front	Ctrl+F	Paste in Back	Ctrl+B	① Undo: 취소 ② Redo: 재실행 ③ Cut: 잘라내기 ④ Copy: 복사하기 ⑤ Paste: 붙어넣기 ⑥ Paste in Front: 위에 붙어넣기 ⑦ Paste in Back: 뒤에 붙어넣기
Undo Paint Style	Ctrl+Z														
Redo	Shift+Ctrl+Z														
Cut	Ctrl+X														
Copy	Ctrl+C														
Paste	Ctrl+V														
Paste in Front	Ctrl+F														
Paste in Back	Ctrl+B														
Edit > Arrange <table> <tr><td>Bring to Front</td><td>Shift+Ctrl+]</td></tr> <tr><td>Bring Forward</td><td>Ctrl+]</td></tr> <tr><td>Send Backward</td><td>Ctrl+[</td></tr> <tr><td>Send to Back</td><td>Shift+Ctrl+[</td></tr> </table>	Bring to Front	Shift+Ctrl+]	Bring Forward	Ctrl+]	Send Backward	Ctrl+[Send to Back	Shift+Ctrl+[① 맨 위로 이동 ② 한 단계 위로 이동 ③ 한 단계 아래로 이동 ④ 맨 뒤로 이동						
Bring to Front	Shift+Ctrl+]														
Bring Forward	Ctrl+]														
Send Backward	Ctrl+[
Send to Back	Shift+Ctrl+[

12. 색상 적용

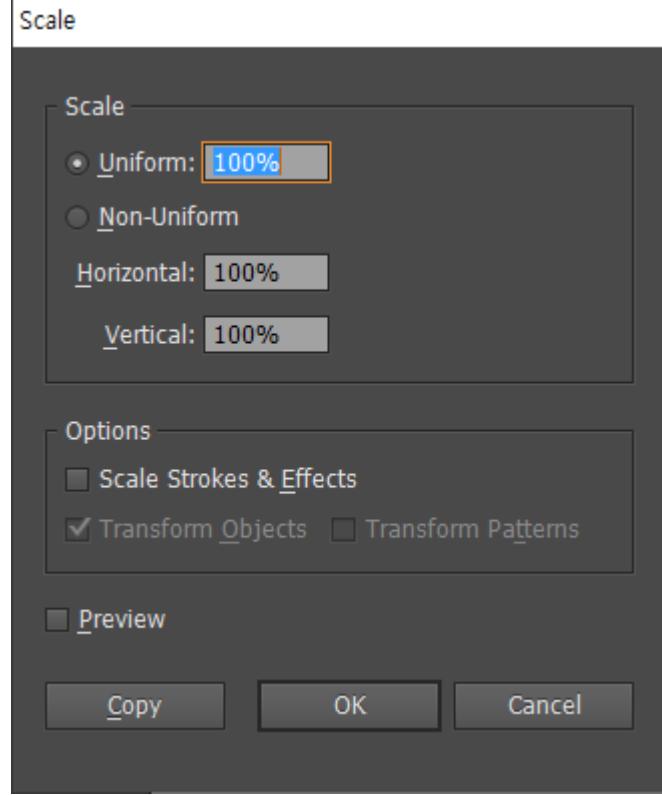
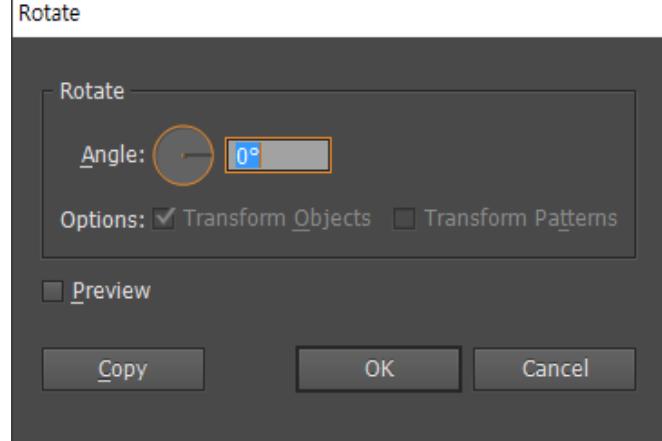
	<ul style="list-style-type: none">① Fill Color(면 색)② Stroke Color(선 색)③ Swap Fill and Stroke: 면과 선 색 교환④ Default Fill and Stroke: 기본값⑤ Color⑥ Gradient⑦ None: 색 없음
	색 추출
	<ul style="list-style-type: none">① Color② Gradient③ Pattern
	<ul style="list-style-type: none">① Cyan② Magenta③ Yellow④ Black
	Opacity(불투명도): 0(투명) ~ 100(불투명)

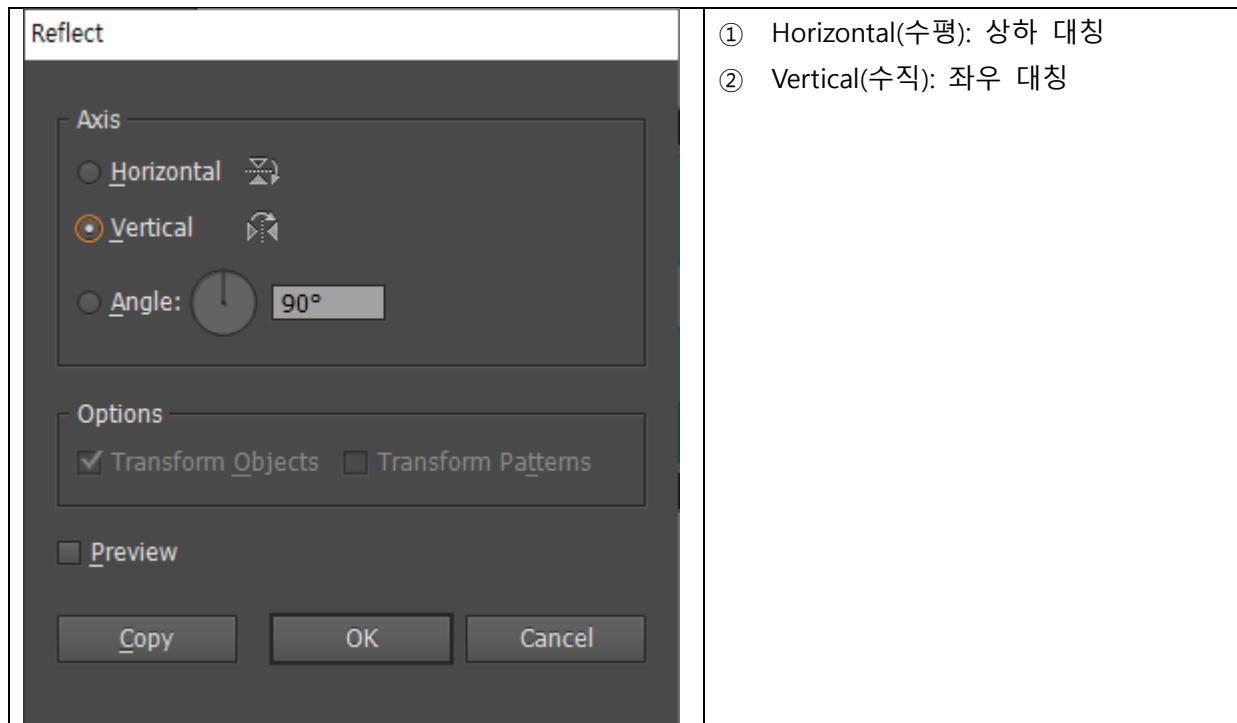
13. 선 그리기

<ul style="list-style-type: none"> ■  Line Segment Tool (\)  Arc Tool  Spiral Tool  Rectangular Grid Tool  Polar Grid Tool 	
<ul style="list-style-type: none"> ■  Pen Tool (P)  Add Anchor Point Tool (+)  Delete Anchor Point Tool (-)  Convert Anchor Point Tool (Shift+C) 	<p>① 직선, Bezier Curve(베지어 곡선) ② 점 추가 ③ 점 삭제 ④ 방향선 제거/생성 ⑤ 연속된 선을 끝낼 때: Enter 또는 Ctrl+클릭</p>
<ul style="list-style-type: none"> ■  Pencil Tool (N)  Smooth Tool  Path Eraser Tool 	
	<p>① Weight: 굵기 ② Cap: 끝 모양 ③ Align Stroke: 기준 ④ Dashed Line: 대시 선과 점 선 ⑤ Arrowheads: 화살 표</p>

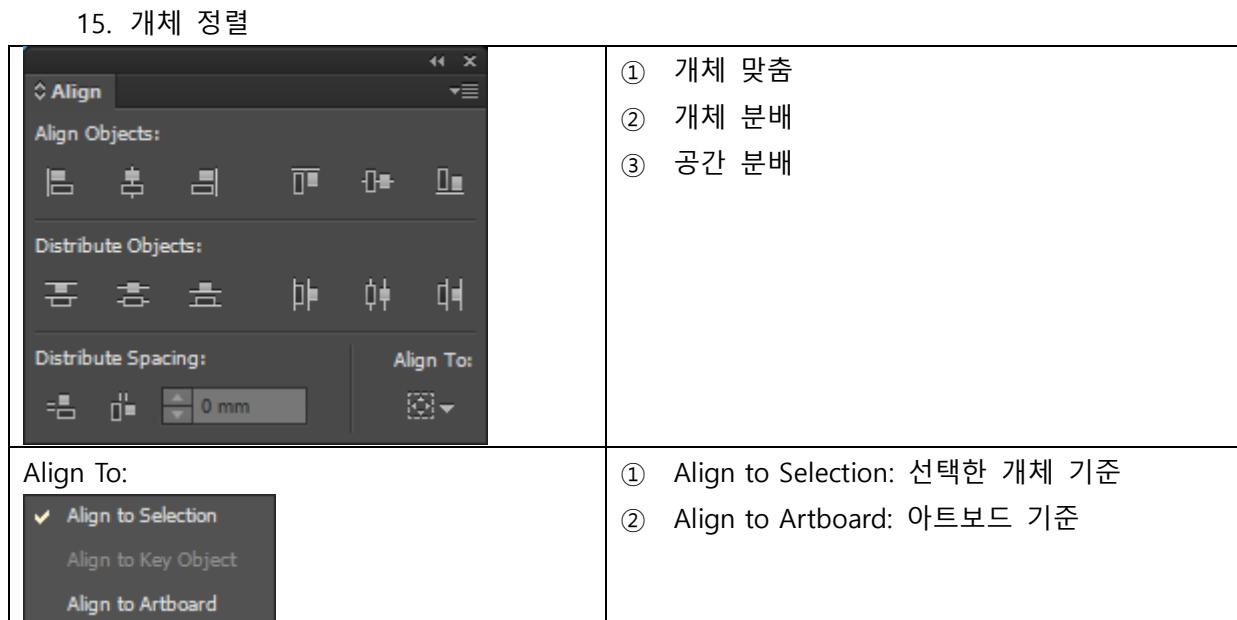
14. 개체 변형

<ul style="list-style-type: none"> ■  Scale Tool (S)  Shear Tool  Reshape Tool ■  Rotate Tool (R)  Reflect Tool (O) 	<p>① 크기 조절 ② ③ ④ 회전 ⑤ 반사(대칭) ⑥ 참조 점 변경 시: Alt+클릭 ⑦ 참조 점 개체 중심: 더블클릭 ⑧ 중심에서 조정: Alt ⑨ 가로/세로 비례적: Shift</p>																
<p>Object > Transform ></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Transform Again</td> <td style="padding: 2px;">Ctrl+D</td> </tr> <tr> <td style="padding: 2px;">Move...</td> <td style="padding: 2px;">Shift+Ctrl+M</td> </tr> <tr> <td style="padding: 2px;">Rotate...</td> <td></td> </tr> <tr> <td style="padding: 2px;">Reflect...</td> <td></td> </tr> <tr> <td style="padding: 2px;">Scale...</td> <td></td> </tr> <tr> <td style="padding: 2px;">Shear...</td> <td></td> </tr> <tr> <td style="padding: 2px;">Transform Each...</td> <td style="padding: 2px;">Alt+Shift+Ctrl+D</td> </tr> <tr> <td colspan="2" style="padding: 2px;">Reset Bounding Box</td> </tr> </table>	Transform Again	Ctrl+D	Move...	Shift+Ctrl+M	Rotate...		Reflect...		Scale...		Shear...		Transform Each...	Alt+Shift+Ctrl+D	Reset Bounding Box		<p>① 변형 반복 ② 이동 ③ 회전 ④ 반사 ⑤ 크기 조절 ⑥ 기울기 ⑦ ⑧ 바운딩 박스 초기화</p>
Transform Again	Ctrl+D																
Move...	Shift+Ctrl+M																
Rotate...																	
Reflect...																	
Scale...																	
Shear...																	
Transform Each...	Alt+Shift+Ctrl+D																
Reset Bounding Box																	
<p>View ></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Hide Bounding Box</td> <td style="padding: 2px;">Shift+Ctrl+B</td> </tr> </table>	Hide Bounding Box	Shift+Ctrl+B	<p>바운딩 박스 숨기기/보이기</p>														
Hide Bounding Box	Shift+Ctrl+B																

 <p>Scale</p> <p>Scale</p> <p><input checked="" type="radio"/> Uniform: 100%</p> <p><input type="radio"/> Non-Uniform</p> <p>Horizontal: 100%</p> <p>Vertical: 100%</p> <p>Options</p> <p><input type="checkbox"/> Scale Strokes & Effects</p> <p><input checked="" type="checkbox"/> Transform Objects <input type="checkbox"/> Transform Patterns</p> <p>Preview</p> <p>Copy OK Cancel</p>	<p>① Uniform: 가로/세로 같은 크기 ② Non-Uniform: 가로/세로 다른 크기</p>
 <p>Rotate</p> <p>Rotate</p> <p>Angle: 0°</p> <p>Options: <input checked="" type="checkbox"/> Transform Objects <input type="checkbox"/> Transform Patterns</p> <p>Preview</p> <p>Copy OK Cancel</p>	<p>Angle: 회전 각도</p>



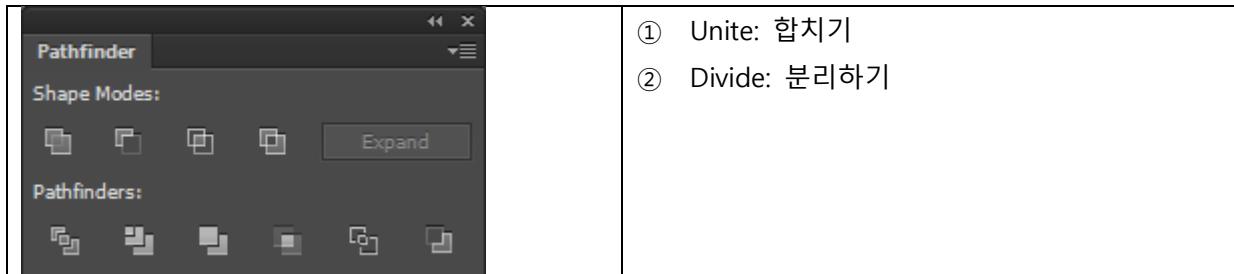
- ① Horizontal(수평): 상하 대칭
- ② Vertical(수직): 좌우 대칭



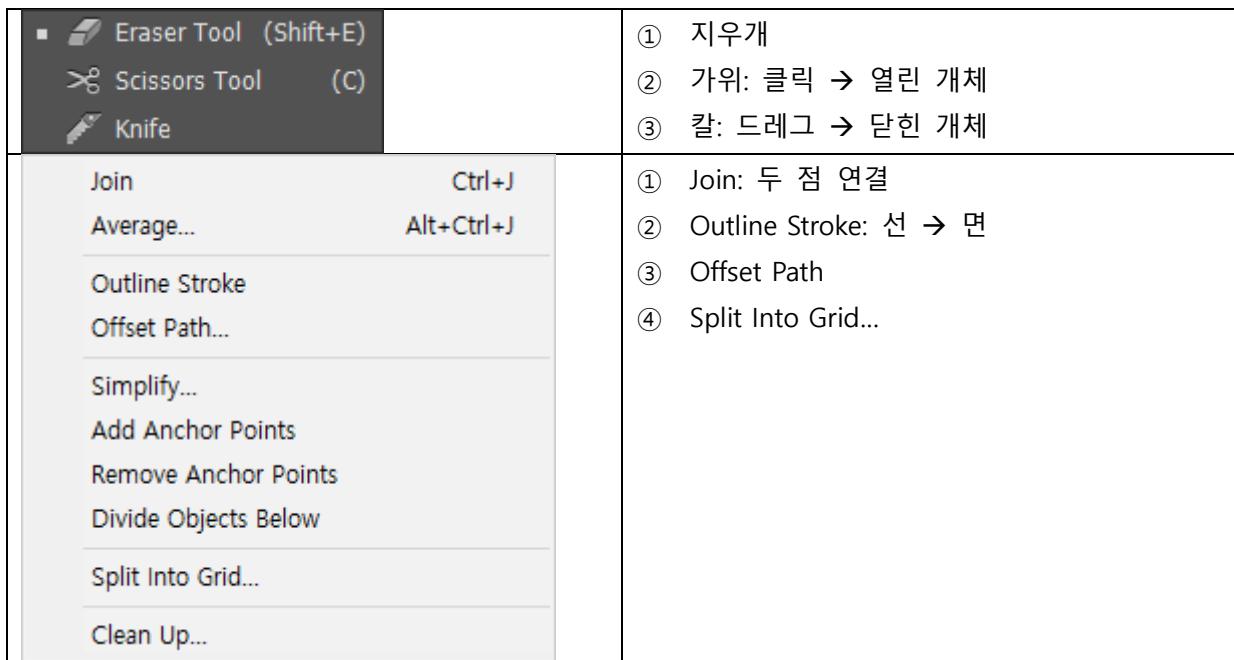
- ① 개체 맞춤
- ② 개체 분배
- ③ 공간 분배

- ① Align to Selection: 선택한 개체 기준
- ② Align to Artboard: 아트보드 기준

16. 패스파인더



17. 패스 설정



18. 텍스트 사용

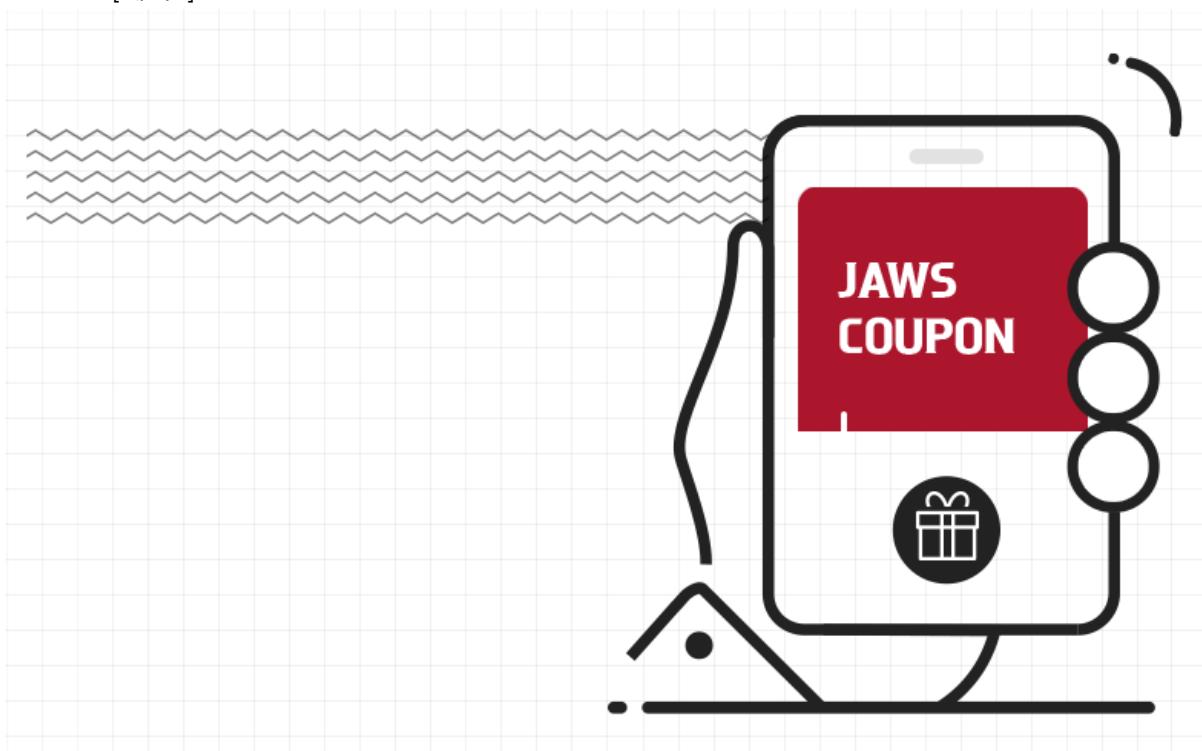
<ul style="list-style-type: none"> ■ T Type Tool (T) Area Type Tool Type on a Path Tool Vertical Type Tool Vertical Area Type Tool Vertical Type on a Path Tool 	<p>가로 문자 도구</p>
<p>Type ></p> <ul style="list-style-type: none"> Fit Headline Create Outlines Shift+Ctrl+O Find Font... Change Case > Smart Punctuation... 	<p>Create Outlines: 텍스트 → 패스</p>
	<ul style="list-style-type: none"> ① Font Family: 글꼴 그룹 ② Font Style: 글꼴 스타일 ③ Font Size: 글꼴 크기 ④ Leading: 줄 간격 ⑤ Tracking: 자간 ⑥ Anti-Aliasing
	<ul style="list-style-type: none"> ① Align left: 왼쪽 맞춤 ② Align center: 가운데 맞춤 ③ Align right: 오른쪽 맞춤 ④ Justify: 양쪽 맞춤

19. 효과

Effect > Distort & Transform	Zig Zag...
Free Distort... Pucker & Bloat... Roughen... Transform... Tweak... Twist... Zig Zag...	

Object > 개체에 효과(Effect) 적용 후에 사용한다.
Expand Appearance

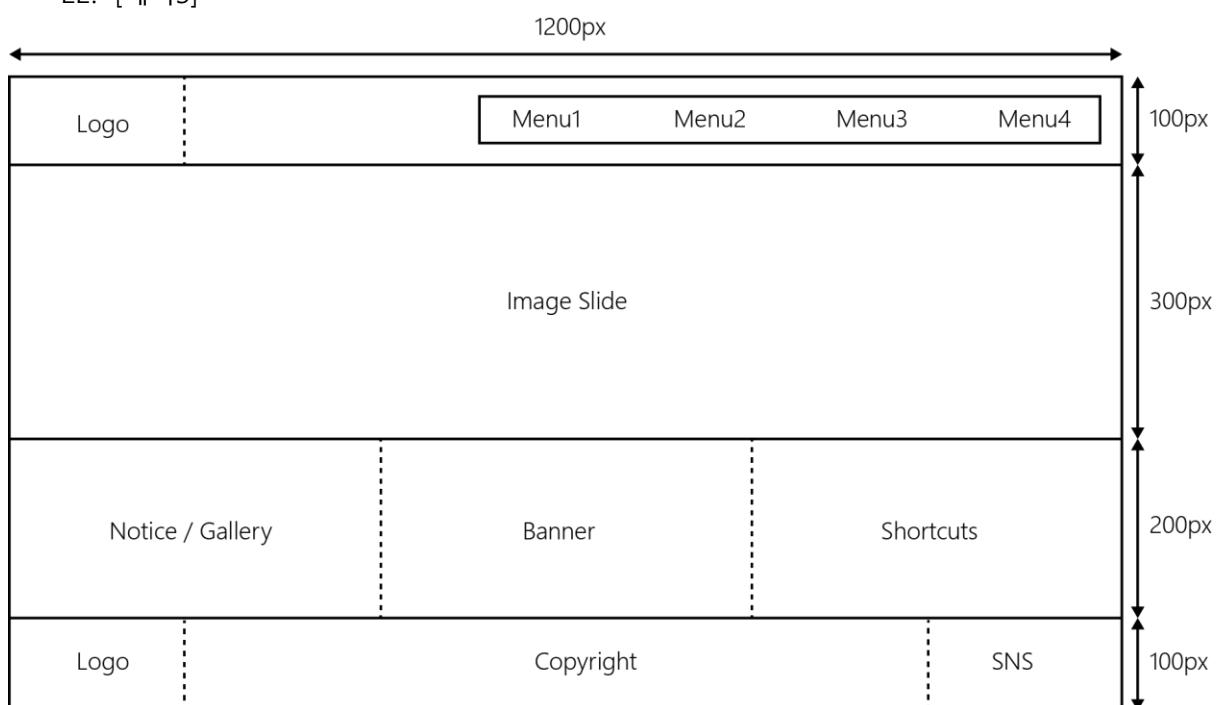
20. [예시1]



21. [예시2]



22. [예시3]



수행과제

1. 타깃 사이트의 웹 사이트 개선을 위한 메인 페이지의 레이아웃을 그래픽 활용 프로그램을 활용하여 디자인하시오.
2. 타깃 사이트의 메인 페이지를 디자인하시오.